Environment Canada Environnement Canada

Historical Streamflow Summary

Saskatchewan

Sommaire chronologique de l'écoulement

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INLAND WATERS DIRECTORATE
WATER RESOURCES BRANCH
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OTTAWA, CANADA, 1989

DIRECTION GÉNÉRALE DES EAUX INTÉRIEURES
DIRECTION DES RESSOURCES EN EAU
DIVISION DES RELEVÉS HYDROLOGIQUES DU CANADA
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PREFACE

This publication was prepared by personnel of the Water Survey of Canada Division under the direction of the Director, Water Resources Branch, Department of the Environment, Ottawa.

The basic data were collected and compiled under the supervision of the Regional Chief of the Water Resources Branch at Regina, Saskatchewan.

The co-operation received from provincial agencies and from other organizations is gratefully acknowledged.

PRÉFACE

La Division des relevés hydrologiques du Canada, sous l'autorité du Directeur des ressources en eau du ministère de l'Environnement (Ottawa), a préparé la présente publication.

On a recueilli et compilé les données de base sous la supervision du Chef régional de la Direction des ressources en eau, à Régina (Saskatchewan).

On remercie vivement les organismes provinciaux, ou autres, pour la coopération qu'ils ont apportée.

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INTRODUCTION

The Water Resources Branch of the Department of the Environment herein presents a summary of monthly and annual mean discharges and annual extremes of discharge for rivers in Saskatchewan for which streamflow data to 1988 inclusive have been collected by the Water Survey of Canada. This edition supersedes all previous editions.

A program for the collection and publication of Surface Water Data has been carried on across Canada for over 75 years. The results of these hydrometric survey investigations have been published annually.

Discharge data are available on punched cards or magnetic tape for computer processing. These data and details on individual stations and related records, as well as recent data which have not yet been published may be obtained upon application to:

Regional Chief,
Water Resources Branch,
Department of the Environment,
G.M.C. Building,
1102-8th Avenue,
Regina, Saskatchewan.
S4R 1C9
(306 780-5338)

or to the Water Resources Branch, Department of the Environment, Ottawa, Ontario, K1A 0H3 (819 997-2098).

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INTRODUCTION

La Direction des ressources en eau du ministère de l'Environnement présente un sommaire des moyennes mensuelles et annuelles de l'écoulement et des extrêmes annuels de cours d'eau du Saskatchewan, pour lesquels la Division des relevés hydrologiques du Canada a obtenu des données jusqu'en 1988 inclusivement. La présente publication annule toutes les éditions antérieures.

La cueillette et la publication de données sur les eaux de surface sont en oeuvre depuis plus de 75 années au Canada. Les données obtenues à partir des relevés hydrométriques sont publiées annuellement.

On peut se procurer les données sur l'écoulement sous forme de cartes perforées ou de rubans magnétiques pour traitement sur ordinateur. En s'adressant aux endroits ci-après, on peut obtenir ces données, des renseignements supplémentaires sur certaines stations particulières et divers relevés ainsi que des données récentes non encore publiées:

Chef régional
Direction des ressources en eau
Ministère de l'Environnement
Édifice G.M.C.
1102, Huitième avenue
Régina (Saskatchewan)
S4R 1C9
(306 780-5338)

ou au Direction des ressources en eau, ministère de l'Environnement, Ottawa (Ontario), K1A 0H3 (819 997-2098).

ORGANIZATION AND HISTORY OF HYDROMETRIC SURVEY OPERATIONS

Hydrometric surveys in Saskatchewan were conducted by the Water Survey of Canada under agreement with the Province of Saskatchewan. The provincial authorities contributed to the cost of the basic field investigations which were carried out in accordance with mutually agreed-upon plans.

Stream measurement work was carried on between 1894 and 1908 in connection with the Canadian Irrigation Surveys. Early in 1909 the Hydrometric Survey was organized as part of the Forestry and Irrigation Branch and was conducted by the Branch until 1911. The Hydrometric Survey was then assigned to the Irrigation Branch (later the Reclamation Service) remaining in that organization until July, 1920, when it was transferred to the Dominion Water Power Branch. Following the transfer of the natural resources of Saskatchewan to provincial control as of October 1, 1930, a co-operative agreement was arranged with the Government of Saskatchewan for the continuance of the hydrometric survey by the federal government. Although this agreement was terminated in 1933 work was continued by the federal government under letter arrangement until 1975. A co-operative agreement, (with an implementation date of April 1, 1975), was signed with the Government of Saskatchewan on February 18, 1975. The agreement provides that water quantity surveys will be continued by the federal government on a shared cost basis.

ORGANISATION ET HISTORIQUE DES RELEVÉS HYDROMÉTRIQUES

La Division des relevés hydrologiques du Canada a effectué des relevés hydrométriques en Saskatchewan en vertu de l'accord conclu avec les autorités provinciales, qui ont contribué au coût des recherches de base réalisées sur le terrain, après entente mutuelle sur leur programme.

Entre 1894 et 1908, des relevés ont été effectués en même temps que les levés canadiens relatifs à l'irrigation. Au début de l'année 1909, un service des relevés hydrométriques a été créé au sein de la Direction des forêts et de l'irrigation, qui s'en est occupée jusqu'en 1911. L'exécution de ces relevés a ensuite été confiée à la Direction de l'irrigation (devenue plus tard le Service de la mise en valeur des terres), et ce jusqu'en juillet 1920, date à laquelle la Direction fédérale de l'énergie hydraulique en a pris charge. Après que la responsabilité des ressources naturelles de la Saskatchewan a passé à cette dernière, le 1er octobre 1930, un accord de coopération a été conclu avec son gouvernement, aux termes duquel le gouvernement fédéral s'est engagé à poursuivre l'exécution des relevés hydrométriques. L'accord a pris fin en 1933, mais en vertu d'une lettre d'entente, le gouvernement fédéral a continué d'exécuter les observations hydrométriques jusqu'en 1975. Le 18 février 1975, le gouvernement de la Saskatchewan a signé un nouvel accord, qui est entré en vigueur le 1er avril 1975, renfermant des dispositions grâce auxquelles le gouvernement fédéral s'occupera du programme de relevés hydrométriques et partagera le coût des mesures avec la province.

CO–OPERATION AND ACKNOWLEDGMENTS

Co-operative undertakings with other agencies form an important part of the activities of the Water Survey of Canada. Close co-operation has been maintained with public agencies and private organizations concerned with water resources. Runoff and other data have been mutually exchanged and stream-gauging operations have been facilitated by the assistance received from a number of organizations.

On waters adjacent to the International Boundary, certain gauging stations are maintained by Canada (or the United States) under agreement with the United States (or Canada) and the records are collected and compiled in a manner equally acceptable to both countries. These stations are designated as "International Gauging Stations" in this publication.

For the valuable assistance and co-operation received in obtaining hydrometric survey records, the Water Survey of Canada is indebted to many organizations.

The names of these organizations are given in the Surface Water Data Reference Index and the annual Surface Water Data publications. The names of agencies who have contributed data for publication are identified herein under individual stations.

COOPÉRATION ET REMERCIEMENTS

Le travail entrepris en coopération avec d'autres organismes représente une partie importante des activités de la Division des relevés hydrologiques du Canada. On a maintenu une étroite collaboration avec les organismes, publics ou privés, qui s'intéressent aux ressources en eau. On a échangé des données portant sur l'écoulement ou sur d'autres points, et l'assistance fournie par beaucoup d'organismes a facilité les opérations de jaugeage.

Pour ce qui est des eaux adjacentes à la frontière internationale, certaines stations de jaugeage dépendent du Canada (ou des États-Unis) suite à un accord avec les États-Unis (ou le Canada), et les relevés sont faits et compilés de façon à satisfaire les deux pays. Ces stations sont nommées «Stations internationales de jaugeage».

La Division des relevés hydrologiques du Canada est redevable à maints organismes de l'aide et de la collaboration précieuses qu'ils lui ont apportées lors de la prise des relevés hydrométriques.

On trouvera les noms des organismes dans l'*Index de référence des données sur les eaux de surface* et dans les publications annuelles des *Données sur les eaux de surface*. Les noms des organismes qui ont fourni des données apparaissent dans la présente publication sous les stations particulières.

EQUIVALENTS OF MEASURE

The following list of convenient equivalents of measure includes the relationship between imperial units and the International System of Units (SI).

1 inch equals 2.54 cm (centimetres)
1 foot equals 0.3048 m (metre)
1 statute mile equals 1.6093 km (kilometres)

1 cm (centimetre) equals 0.393 70 inch
1 m (metre) equals 3.2808 feet
1 km (kilometre) equals 0.621 37 mile

1 acre equals 43 560 square feet
1 acre equals 0.404 69 ha (hectare)
1 square mile equals 640 acres
1 square mile equals 2.5900 km^2 (square kilometres)
1 square mile equals 259.0 ha (hectares)

1 ha (hectare) equals 10 000 m^2 (square metres)
1 ha (hectare) equals 2.4710 acres
1 km^2 (square kilometre) equals 0.386 10 square mile

1 cubic foot equals 6.2288 imperial gallons
1 imperial gallon equals 4.546 09 L (litres)
1 imperial gallon equals 1.2010 U.S. gallons
1 U.S. gallon equals 0.133 68 cubic foot
1 cubic foot equals 0.028 317 m^3 (cubic metre)
1 m^3 (cubic metre) equals 35.315 cubic feet
1 dam^3 (cubic decametre) equals 1000 m^3 (cubic metres)
1 dam^3 (cubic decametre) equals 1 mm (millimetre) over 1 km^2 (square kilometre)

1 cubic foot per second for one day equals 1.9835 acre-feet
1 cubic foot per second for one day covers one square mile to a depth of 0.037 19 inch
1 acre-foot equals 1.2335 dam^3 (cubic decametres)
1 m^3/s (cubic metre per second) for one day equals 86.4 dam^3 (cubic decametre)
1 m^3/s (cubic metre per second) for one day covers one square kilometre to a depth of 0.0864 m (metre)

1 foot per second equals 0.6818 mile per hour
1 mile per hour equals 1.467 feet per second
1 m/s (metre per second) equals 3.6 km/h (kilometre per hour)
1 km/h (kilometre per hour) equals 0.2778 m/s (metre per second)

1 cubic foot per second equals 0.028 317 m^3/s (cubic metre per second)
1 m^3/s (cubic metre per second) equals 35.315 cubic feet per second

1 pound equals 0.453 59 kg (kilogram)
1 kg (kilogram) equals 2.2046 pounds

1 short ton (2000 pounds) equals 0.907 18 t (tonne)
1 t (tonne) equals 2204.6 pounds

degrees Celsius = 5/9 (degrees Fahrenheit - 32)
degrees Fahrenheit = 9/5 (degrees Celsius) + 32

ÉQUIVALENCES DES UNITÉS DE MESURE

Voici une liste des unités de mesure impériales et leurs équivalences dans le Système international d'unités (SI).

1 pouce vaut 2.54 cm (centimètres)
1 pied vaut 0.3048 m (mètre)
1 mille terrestre équivaut à 1.6093 km (kilomètre)

1 cm (centimètre) équivaut à 0.393 70 pouce
1 m (mètre) équivaut à 3.2808 pieds
1 km (kilomètre) équivaut à 0.621 37 mille

1 acre vaut 43 560 pieds carrés
1 acre équivaut à 0.404 69 ha (hectare)
1 mille carré vaut 640 acres
1 mille carré équivaut à 2.5900 km^2 (kilomètres carrés)
1 mille carré équivaut à 259.0 ha (hectare)

1 ha (hectare) vaut 10 000 m^2 (mètres carrés)
1 ha (hectare) équivaut à 2.4710 acres
1 km^2 (kilomètre carré) équivaut à 0.386 10 mille carré

1 pied cube équivaut à 6.2288 gallons impérials
1 gallon impérial vaut 4.546 09 L (litres)
1 gallon impérial équivaut à 1.2010 gallon américain
1 gallon américain équivaut à 0.133 68 pied cube
1 pied cube vaut 0.028 317 m^3 (mètre cube)
1 m^3 (mètre cube) vaut 35.315 pieds cubes
1 dam^3 (décamètre cube) vaut 1000 m^3 (mètres cubes)
1 dam^3 (décamètre cube) vaut 1 mm (millimètre) qui couvre 1 km^2 (kilomètre carré)

1 pied cube par seconde pendant un jour équivaut à 1.9835 acre-pied
1 pied cube par seconde pendant un jour équivaut à un volume d'un mille carré par 0.037 19 pouce
1 acre-pied équivaut à 1.2335 dam^3 (décamètres cubes)
1 m^3/s (mètre cube par seconde) pour un jour vaut 86.4 dam^3 (décamètre cube)
1 m^3/s (mètre cube par seconde) pour un jour couvre un kilomètre carré à une profondeur de 0.0864 m (mètre)

1 pied par seconde équivaut à 0.6818 mille par heure
1 mille par heure équivaut à 1.467 pied par seconde
1 m/s (mètre par seconde) vaut 3.6 km/h (kilomètre par heure)
1 km/h (kilomètre par heure) vaut 0.2778 m/s (mètre par seconde)

1 pied cube par seconde équivaut à 0.028 317 m^3/s (mètre cube par seconde)
1 m^3/s (mètre cube par seconde) équivaut à 35.315 pieds cubes par seconde

1 livre équivaut à 0.453 59 kg (kilogramme)
1 kg (kilogramme) équivaut à 2.2046 livres

1 tonne courte (2000 livres) équivaut à 0.907 18 t (tonne)
1 t (tonne) équivaut à 2204.6 livres

degrés Celsius = 5/9 (degrés Fahrenheit - 32)
degrés Fahrenheit = 9/5 (degrés Celsius) + 32

DEFINITION OF TERMS AND ABBREVIATIONS

"Control" is the condition downstream from a gauging station that determines the stage-discharge relationship. It may be a stretch of rapids, a weir or other artificial structure. In the absence of such features, the control may be a less obvious condition such as a convergence of the channel or even simply the resistance to flow through a downstream reach. A shifting control exists where the stage-discharge relationship tends to change because of impermanent bed or banks.

"Cubic metres per second" (m^3/s) is a unit expressing rate of discharge. One cubic metre per second is equal to one cubic metre of water flowing past a particular point in one second. This is the basic unit in general use, other units being computed from it by the use of factors as given in the previous paragraph under "Equivalents of Measure".

"Gauging station" is a location where systematic records of stage or stage and discharge are obtained.

"Miscellaneous (or related) data" is all data not published in the regular series of hydrometric and sediment data publications such as unpublished water levels and the various parameters that are measured in obtaining discharge measurements, e.g. water depth, velocity, width, air and water temperatures, ice thickness. This also includes discharge measurements and water level and sediment observations obtained at locations which are not regular gauging stations. Various types of "derived" data could also be considered "miscellaneous", such as water levels and discharges at selected time intervals (usually hourly).

"Stage-discharge relationship" is the relation between the water level and the discharge at a gauging station.

PUBLICATION OF SURFACE WATER AND SEDIMENT DATA

Surface Water Data have been published in a variety of formats in imperial units since 1908 in approximately 300 publications which are now mostly out-of-print. Commencing with the 1979 publications, data are presented in the International System of Units (SI). However, the format has remained the same wherein Canada is divided into eight regions. The provinces each represent a separate region except for New Brunswick, Newfoundland, Nova Scotia and Prince Edward Island which together form the Atlantic Provinces region, and the Yukon and Northwest Territories which make up another. The publications are identified by the province(s) or territories covered and the year in which data were collected. These data are published annually on a calendar-year basis and the stations are listed alphabetically, with two years of data per page.

The first edition of a *Surface Water Data Reference Index* was published for data to 1966 by province or region. Subsequent editions were published annually or biennially in one publication for Canada. Commencing with the 1979 publication, data are

DÉFINITIONS DES TERMES ET ABRÉVIATIONS

«Élément régulateur» – élément qui conditionne l'écoulement en aval d'une station de jaugeage et qui détermine la relation hauteur-débit au niveau de la station. Ce peut être une série de rapides, un déversoir ou toute autre structure artificielle. En l'absence de ces structures, l'élément régulateur peut provenir d'une condition moins apparente comme le rétrécissement d'un chenal ou simplement la résistance à l'écoulement d'un tronçon situé en aval. Il y a élément régulateur changeant quand la relation hauteur-débit tend à être modifiée par un lit ou des rives instables.

«Mètres cubes par seconde» (m^3/s) – unité du taux d'écoulement. Un mètre cube par seconde équivaut à un mètre cube d'eau s'écoulant en un point donné en une seconde. C'est l'unité de base généralement employée, les autres unités dérivées à partir de celle-ci sont données sous la rubrique «Équivalences des unités de mesure».

«Station de jaugeage» – lieu où l'on effectue des relevés systématiques de la hauteur ou de la hauteur et du débit de l'eau.

«Les données diverses (ou connexes)» – représentent toutes les données qui ne sont pas publiées dans les séries régulières des publications sur les données hydrométriques et les sédiments, par exemple celles des niveaux des eaux et des autres paramètres qui sont mesurés en même temps que le débit, soit la profondeur de l'eau, sa vitesse, son étendue, la température de l'eau et de l'air, l'épaisseur de la glace. Les mesures de débit ainsi que les observations sur les niveaux des eaux et les sédiments, obtenues à des emplacements autres que les stations régulières de jaugeage, sont aussi incluses. D'autres types de données «dérivées» pourraient aussi être classées dans cette catégorie de données «diverses», à savoir les niveaux des eaux et les débits observés à des intervalles de temps précis (en général, toutes les heures).

«Relation hauteur-débit» – relation qui existe entre la hauteur et le débit au niveau d'une station de jaugeage.

PUBLICATION DES DONNÉES SUR LES EAUX DE SURFACE ET LES SÉDIMENTS

Depuis 1908, les *Données sur les eaux de surface* ont été publiées, en utilisant diverses formules et en ayant recours au système d'unités impériales, dans quelque 300 publications lesquelles sont pour la plupart épuisées. À partir de 1979, les données sont fournies dans le Système international d'unités (SI). Toutefois, la présentation est toujours la même, c'est-à-dire que le Canada est divisé en huit régions. Chaque province représente une région distincte sauf le Nouveau-Brunswick, la Terre-Neuve, la Nouvelle-Écosse et l'Île du Prince-Édouard qui constituent la région des provinces de l'Atlantique, comme c'est le cas aussi pour le Yukon et les Territoires du Nord-Ouest qui sont réunis en une seule région. Les publications sont identifiées par le nom des provinces ou territoires concernés et par l'année de la cueillette des données. Les données sont publiées annuellement, en fonction de l'année civile, et les stations sont classées par ordre alphabétique, chaque page de données couvrant deux années.

La première édition de l'*Index de référence des données sur les eaux de surface* comprenait les données disponibles jusqu'en 1966, de chaque province ou région. Les éditions subséquentes étaient publiées annuellement ou tous les deux ans en une seule publication

presented in the International System of Units (SI) and published every two years. Gauging stations are listed by province or territory, in upstream to downstream order. Coloured maps showing the locations of both active and discontinued stations were included in the first and second editions and were provided in a separate Hydrometric Map Supplement to the 1972 and the 1977 editions. The latest editions of the Reference Index and the Hydrometric Map Supplement supersede all previous editions.

pour tout le Canada. À partir de 1979, les données sont fournies dans le Système international d'unités (SI) et les éditions subséquentes vont paraître tous les deux ans. Les stations de jaugeage sont présentées par province ou territoire et placées dans l'ordre de leur position, d'amont en aval. Des cartes en couleurs, qui indiquent l'emplacement des stations hydrométriques en service, y compris celles qui ne le sont plus, ont paru dans les première et deuxième éditions ainsi que dans le *Supplément de cartes hydrométriques* de 1972 et de 1977. L'édition la plus récente de l'*Index de référence* et celle du *Supplément de cartes hydrométriques* annulent les éditions antérieures.

The first edition of a publication series titled *Historical Streamflow Summary* was produced for data to 1970. Subsequent editions have been published every three years. This publication series contains a summary of historical monthly and annual mean discharges and annual extremes for the entire period of record for all stations where streamflow data have been collected during the history of the Water Survey of Canada. Data are published by province or region, as for the annual Surface Water Data publications. Commencing with the 1979 publications, data are presented in the International System of Units (SI). Editions subsequent to 1982 will be published every two years. The latest edition supersedes all previous editions since it contains any corrections or additions since the last publication.

La première édition d'une série de publications intitulée *Sommaire chronologique de l'écoulement* renfermait les données disponibles jusqu'en 1970. Les éditions subséquentes étaient publiées tous les trois ans. Cette série de publications renferme un résumé des moyennes mensuelles et annuelles des débits ainsi que les débits extrêmes annuels pour toute la période d'enregistrement et pour toutes les stations où des données de débit sont recueillies par la Division des relevés hydrologiques du Canada. Les données sont publiées par province ou région, comme c'est le cas pour les publications annuelles des données sur les eaux de surface. À partir de 1979, les données sont fournies dans le Système international d'unités (SI). Les éditions subséquentes à 1982 vont paraître tous les deux ans. L'édition la plus récente annule toutes les éditions antérieures, car elle renferme toutes les corrections et mises à jour depuis la dernière parution.

The first edition of a publication series titled *Historical Water Levels Summary* was produced for data to 1976. This publication series contains a summary of historical monthly and annual mean water levels and annual extremes for the period of record for all stations on lakes or reservoirs where water level data have been collected during the history of the Water Survey of Canada. It also contains a summary of water level data for all stations on rivers where "water levels only" were collected or for certain stations on rivers where streamflow data are collected, but the historical water level information is considered to be of sufficient demand to warrant inclusion in the publication (daily water levels for stations where streamflow data are collected are not normally published in the annual Surface Water Data publications). Data are published by province or region, as for the annual Surface Water Data publications. Commencing with the 1979 publications, data are presented in the International System of Units (SI). Editions subsequent to 1983 will be published every two years. The latest edition supersedes all previous editions, since it contains any corrections or additions since the last publication.

La première édition d'une série de publications intitulée *Sommaire chronologique des niveaux d'eau* comprenait les données disponibles jusqu'en 1976. Cette série de publications contient un résumé des niveaux moyens mensuels et annuels ainsi que des niveaux extrêmes annuels pour la période d'enregistrement pour toutes les stations de lacs ou de réservoirs où des données sur les niveaux d'eau sont recueillies par la Division des relevés hydrologiques du Canada. Elle renferme également un résumé des niveaux d'eau pour toutes les stations de rivières effectuant «uniquement» des relevés de niveaux d'eau ou pour certaines stations de rivières où des données de débit sont recueillies de même que des données sur les niveaux d'eau qui peuvent répondre aux besoins des utilisateurs (en général, les niveaux d'eau quotidiens de stations effectuant des relevés de débit ne sont pas publiées dans les publications annuelles des données sur les eaux de surface). Les données sont publiées par province ou région, comme c'est le cas pour les publications annuelles des données sur les eaux de surface. À partir de 1979, les données sont fournies dans le Système international d'unités (SI). Les éditions subséquentes à 1983 vont paraître tous les deux ans. L'édition la plus récente annule toutes les éditions antérieures, car elle renferme toutes les corrections et mises à jour depuis la dernière parution.

During the years 1948 to 1960, some sediment data were collected for several Prairie rivers to meet the needs of particular projects. The first Paper containing sediment data incorporates a selection of these data and also data for part of the year ending September 30, 1961, at stations established for the continuing program. The second issue is a biennial publication covering only the continuing program for the 1962 and 1963 water years. All subsequent editions titled *Sediment Data Canadian Rivers* were published annually. Commencing with the 1978 publication, data are presented entirely in the International System of Units (SI).

De 1948 à 1960, on avait recueilli des données pour plusieurs cours d'eau des Prairies en prévision de la réalisation de certains projets. La première publication contenait un choix de ces données ainsi que d'autres, recueillies en 1961 avant le 30 septembre par des stations établies pour la réalisation du programme permanent. La deuxième publication portait sur les données recueillies dans le cadre du programme, au cours des années hydrologiques 1962 et 1963. Toutes les éditions subséquentes intitulées *Données sur les sédiments de rivières canadiennes* étaient publiées annuellement. À partir de 1978, les données sont fournies dans le Système international d'unités (SI).

En 1984, la présentation des données a été modifiée. Le Canada a été divisé en huit régions, une région pour chaque province, sauf le Nouveau-Brunswick, Terre-Neuve, la Nouvelle-Écosse et

Commencing with 1984, the *Sediment Data* are presented and published in a new format wherein Canada is divided into eight regions. The provinces each represent a separate region except for

New Brunswick, Newfoundland, Nova Scotia and Prince Edward Island, which together form the Atlantic Provinces region, and the Yukon and Northwest Territories which make up another. The publications are identified by the province or territories covered and the year in which the data were collected. These data are published annually on a calendar-year basis and the stations are listed alphabetically.

The first edition of a *Sediment Data Reference Index* was published for data to 1972. It contains a tabulation of locations where sediment data in Canada were collected by the Water Survey of Canada. The index has been subdivided alphabetically by province or territory, with sediment survey stations listed alphabetically. Commencing with the 1978 publication, data are presented in the International System of Units (SI) and will continue to be published every two years. The latest edition supersedes all previous editions since it contains any corrections or additions since the last publication.

The first edition of a new publication series titled *Historical Sediment Data Summary for Canadian Rivers* was produced for data to 1974. This publication contains a summary of historical monthly and annual mean suspended sediment load, and annual extremes of daily suspended sediment concentration and loads and total annual suspended load. Commencing with the 1978 publication, data are presented entirely in the International System of Units (SI). This publication has been discontinued, as much of the information is now included in the new annual *Sediment Data* publication.

EXPLANATION OF HISTORICAL STREAMFLOW SUMMARY PUBLICATION

A. General Description

Descriptive information about a gauging station is given herein below the table of monthly and annual mean discharges. This refers to such items as latitude and longitude, drainage area and whether the flow is natural or regulated (the year that regulation began is given, if known); International Gauging Stations are identified and the names of co-operating agencies who supply data are given; unusual conditions are explained under "Remarks".

This descriptive information (except the "Remarks" statement) is also given in the Surface Water Data Reference Index and the annual Surface Water Data publications. However, these two publications contain additional information not given herein such as the type of gauge, period of record and other pertinent remarks. Historical streamflow data as contained herein are published by province or region and also in alphabetical order as in the annual Surface Water Data publications. However, the Historical Streamflow Summary publications contain data for both active and discontinued streamflow stations and do not contain any water level data. These publications will be published every two years and will contain data for all streamflow stations for the entire period of record not just the data for the intervening two years.

l'Île-du-Prince-Édouard qui, ensemble, forment la région des provinces de l'Atlantique, et les Territoires du Yukon et du Nord-Ouest, qui forment une autre région. Les publications sont nommées selon la région couverte et l'année des données (année civile). Ces publications sont annuelles. Les stations y sont présentées par ordre alphabétique.

La première édition de l'*Index de référence des données sur les sédiments* renfermait les données disponibles jusqu'en 1972. Elle comprenait une mise en tableaux des emplacements où des données sur les sédiments sont recueillies au Canada par la Division des relevés hydrologiques. L'Index est subdivisé alphabétiquement par province ou territoire les stations de relevés des sédiments sont classées en ordre alphabétique. À partir de 1978, les données sont fournies dans le Système international d'unités (SI) et sont publiées tous les deux ans. L'édition la plus récente annule toutes les éditions antérieures, car elle renferme toutes les corrections et mises à jour depuis la dernière parution.

La première édition d'une nouvelle série de publications intitulée *Sommaire chronologique des données sur les sédiments de rivières canadiennes* renfermait les données disponibles jusqu'en 1974. Cette série présente un résumé des moyennes mensuelles et annuelles de la charge de sédiments en suspension, des extrêmes annuels de la concentration quotidienne et de la charge quotidienne des sédiments en suspension, ainsi que de la charge totale annuelle des sédiments en suspension. À partir de 1978, les données sont fournies dans le Système international d'unités (SI). Cette série a été abandonnée, car une bonne partie de l'information est maintenant contenue dans la nouvelle publication annuelle intitulée *Données sur les sédiments*.

EXPLICATION DU *SOMMAIRE CHRONOLOGIQUE DE L'ÉCOULEMENT*

A. Description générale

Sous ce titre on trouve les renseignements descriptifs pour une station de relevés de l'écoulement, qui sont fournis après l'extrait des moyennes mensuelles et annuelles. Il s'agit de la latitude et de la longitude; de la superficie du bassin versant; du débit reconnu comme naturel ou régularisé (on indique l'année où la régularisation a débuté, si elle est connue); des stations internationales de jaugeage et des noms des organismes ayant fourni des données ainsi que des précisions sur les conditions spéciales qui prévalaient à la station (elles figurent dans les «Remarques»).

On trouvera également ces renseignements descriptifs (sauf les «Remarques») dans l'*Index de référence des données sur les eaux de surface* et dans les publications annuelles des *Données sur les eaux de surface*. Cependant, ces dernières traitent d'information additionnelles telles que du type de jauge, de la période d'enregistrement et d'autres remarques pertinentes. Les données historiques sur l'écoulement, qui sont contenues dans la présente publication, sont subdivisées en ordre alphabétique selon les provinces ou les territoires comme pour les publications annuelles des *Données sur les eaux de surface*. Par contre, le *Sommaire chronologique de l'écoulement* contient des données non seulement de stations en opération, mais aussi de stations qui ne le sont plus; aucune donnée sur le niveau des eaux n'est toutefois fournie. Cette publication paraîtra tous les deux ans et portera sur les données de toutes les stations de relevés de l'écoulement pour toute la période d'enregistrement plutôt que sur les données qui ne couvrent que les deux années.

B. Method of Tabulation of Data

For gauging stations where systematic streamflow data have been obtained, the following are given for the period of record to 1988 inclusive:

1. Summary of monthly and annual mean discharges;
2. Annual maximum instantaneous discharges;
3. Annual maximum and minimum daily discharges;
4. Identification of the extreme recorded for the period of record;
5. Annual total discharge in cubic decametres.

The following standard symbols are used opposite the daily discharge to which they apply. These symbols will not appear opposite the monthly and annual mean discharges, but will appear with the annual maximum instantaneous value and the annual maximum and minimum daily values, if applicable:

A – Manual Gauge – indicates that one or more manual gauge observations per day were obtained and used as the mean for the day for a gauging station equipped with a recording gauge during that particular year. A station may have several periods of recording or manual gauges throughout its history. For more details concerning the type of gauge operated during the period of record, the *Surface Water Data Reference Index* should be consulted. This symbol is used during open-water periods only.

B – Ice Conditions – indicates that for a gauging station where discharge data are obtained the presence of ice has affected the stage-discharge relationship.

E – Estimated – indicates any estimated data. It indicates that the value was determined by some indirect method such as interpolation, extrapolation, estimation from a graph of observed readings, comparison with other streams or by comparison with meteorological data.

R – Revised – indicates that a revision, correction or addition has been made to the historical discharge data base after January 1, 1987.

1. *The summary of monthly and annual mean discharge* gives:

(a) the monthly mean in cubic metres per second for each month for which there is a complete month of daily discharges. Records of daily discharges for partial months, if obtained, are published in annual publications or are available from the Regional Chief;

(b) the annual mean discharge in cubic metres per second if there are daily discharges for the complete year. In some cases a mean discharge is computed for a standard period within the year, say March to October. This is then computed for all the years for which there are daily discharge records from March to October, if there are also records for other months, say January to October, the mean is given for March to October only;

B. Présentation sous forme de tableaux des données

Pour les stations où on a effectué un relevé systématique de l'écoulement, les données suivantes sont présentées pour la période d'enregistrement allant jusqu'en 1988 inclusivement:

1. Un extrait des moyennes mensuelles et annuelles;
2. Un tableau des valeurs annuelles maximales instantanées;
3. Un tableau des valeurs quotidiennes maximale et minimale annuelles;
4. Un tableau des valeurs extrêmes enregistrées pour toute la periode d'observation;
5. Un résumé de l'écoulement annuel total en décamètres cubes.

Les symboles normalisés donnés ci-après sont inscrits à côté des débits quotidiens auxquels ils se rapportent. Les symbols ne sont fournis ni avec les débits moyens mensuels, ni avec les débits moyens annuels, mais ils paraissent avec les valeurs appropriées, c'est-à-dire la valeur instantanée maximale annuelle et les valeurs quotidiennes maximale et minimale annuelles:

A – Jauge manuelle – indique qu'on a effectué à une station de jaugeage dotée d'une jauge enregistreuse au moins une observation par jour à l'aide d'une jauge manuelle et qu'on s'en est servi comme moyenne quotidienne pour l'année en question. Toute station peut comporter diverses périodes où les relevés sont effectués soit à partir d'une jauge enregistreuse, soit à l'aide d'une jauge manuelle. Pour obtenir d'autres renseignements sur le genre de jauge qui a servi lors de la période d'observation, il faut consulter l'*Index de référence des données sur les eaux de surface*. Le symbole n'est employé qu'au cours de périodes d'eau libre.

B – Glaces – indique, pour les données portant sur le débit, que la présence de glaces à la station de jaugeage a faussé la relation hauteur-débit.

E – Estimatives – indique une donnée estimative, c'est-à-dire qu'on a déterminé la valeur de façon indirecte, par exemple par interpolation, extrapolation, à l'aide de graphique, ou par comparaison avec d'autres cours d'eau ou avec des données météorologiques.

R – Révisé – indique qu'il y a eu révision, correction ou addition à la base des données chronologiques des débits après le 1er janvier 1987.

1. *L'extrait des moyennes mensuelles et annuelles* (The summary of monthly and annual mean discharges) donne:

(a) la moyenne mensuelle, exprimée en mètres cubes par seconde, des valeurs quotidienne de l'écoulement pour le mois entier. Pour les stations où on n'a mesuré l'écoulement quotidien que pour une partie du mois, les données paraissent dans les publications annuelles ou peuvent être obtenues du chef régional;

(b) la moyenne annuelle, en mètres cubes par seconde, pour les stations où on a obtenu des relevés quotidiens pour une année entière. Dans certains cas, la moyenne est calculée pour une période bien définie de l'année, par exemple pour mars à octobre. On donne donc la moyenne annuelle des relevés quotidiens effectués pour cette même période de l'année. S'il existe des données pour une autre partie de l'année, telle que pour janvier à octobre, la moyenne n'est toujours fournie que pour la période bien définie de mars à octobre;

(c) the mean of all the monthly means;

(d) the mean of all the annual or standard period means.

2. *The annual maximum instantaneous discharge* in cubic metres per second is given for each year if available. This figure is usually available if the station is equipped with a recording gauge. It may also be estimated from high water marks or from a graph of observed water level readings during the day.

3. *The annual maximum and minimum daily discharges* in cubic metres per second are given for each year where daily discharges have been obtained for the entire year (or standard period within the year, e.g. March to October), or where they are considered to be valid for the year even though some daily discharges are missing.

4. *The extreme recorded for the period of record* is identified by an asterisk within the table of annual maximum instantaneous, maximum daily and minimum daily values.

5. *The annual total discharge* in cubic decametres is given for each year where daily discharges have been obtained for the entire year. If a standard period such as March to October has been selected, the figure applies to only those months, similar to the mean discharge in cubic metres per second.

REVISIONS

A number of corrections or revisions have been made to previously published data. Many of these were required because of typographical or computational errors which were exposed when daily discharges were stored on magnetic tape and monthly means were re-calculated by computer. Other errors were discovered or different interpretations of basic data were made during the systematic review of historical streamflow data presently underway, for example, these revisions may have been justified because a more reliable stage-discharge relationship had been developed.

Revisions to daily discharges or daily water levels are not published at present. However, those stations where a systematic review has been conducted are identified in the Surface Water Data Reference Index publication. The Historical Streamflow Summary publications contain revisions to monthly and annual mean discharges, and annual extremes of discharge. The Historical Water Levels Summary publications contain revisions to monthly and annual mean water levels, and annual extremes of water level. Revisions, corrections or additions made to the discharges and water levels after January 1, 1988 are indicated by an "R" symbol in the summary publications. Detailed information on revisions to historical data is available from the appropriate Regional Chief.

(c) la moyenne de toutes les moyennes mensuelles;

(d) la moyenne de toutes les moyennes annuelles ou de toutes les moyennes pour une période bien définie.

2. *Le tableau des valeurs annuelles maximales instantanées* (The annual maximum instantaneous discharge) exprimées en mètres cubes par seconde, est fourni pour toute année où des données sont disponibles. La majorité des stations munies de jauges enregistreuses détiennent ces données. Elles peuvent également être évaluées à partir du niveau des hautes eaux ou d'un graphique illustrant le niveau quotidien.

3. *Le tableau des valeurs quotidiennes minimale et maximale annuelles* (The annual maximum and minimum daily discharges), exprimées en mètres cubes par seconde, donne les valeurs pour les stations où on a fait des relevés quotidiens pour une année entière ou pour une période bien définie de l'année, par exemple pour mars à octobre, ou lorsqu'on considère que les valeurs sont valables pour toute l'année même si quelques débits quotidiens ne sont pas disponibles.

4. *Le tableau des valeurs extrêmes enregistrées pour toute la période d'observation* (The extreme recorded for the period of record) est indiqué par un astérisque et est compris avec les valeurs annuelles maximales instantanées et les valeurs quotidiennes minimale et maximale annuelles.

5. *Le résumé de l'écoulement annuel total* (The annual total discharge), en décamètres cubes, est indiqué pour les stations où on a fait des relevés quotidiens pour une année entière. Si on a choisi une période bien définie de l'année, par exemple de mars à octobre, la valeur n'a trait qu'à ces mois, tout comme la moyenne mensuelle, en mètres cubes par seconde.

RÉVISIONS

On a corrigé ou révisé beaucoup de données déjà publiées. Il a été nécessaire d'effectuer plusieurs corrections, car on a relevé des erreurs typographiques ou de calculs lorsqu'on a enregistré les débits quotidiens sur rubans magnétiques et qu'on a recalculé à l'aide d'ordinateurs les moyennes mensuelles. On a aussi relevé d'autres erreurs ou fait des interprétations différentes de données de base au cours de la révision rétrospective systématique des données de débit qu'on est à faire en ce moment. Ainsi, on peut justifier des corrections, par le fait qu'on ait trouvé une relation hauteur-débit plus sûre.

Les corrections apportées aux débits quotidiens ou aux niveaux d'eau quotidiens ne sont pas publiées, du moins pour le moment. Cependant, les stations où on a effectué une révision systématique sont identifiées dans l'*Index de référence des données sur les eaux de surface*. Les publications intitulées *Sommaire chronologique de l'écoulement* contiennent des données sur les moyennes mensuelles et annuelles des débits et sur les extrêmes annuels des débits qu'on a révisées. Les publications intitulées *Sommaire chronologique des niveaux d'eau* renferment les révisions apportées aux niveaux moyens mensuels et annuels ainsi que les extrêmes annuels. Les révisions et corrections apportées aux débits et aux niveaux d'eau après le 1er janvier 1988 sont accompagnées du symbole «R» dans les publications sommaires. On peut obtenir plus de détails sur les révisions en s'adressant au chef régional concerné.

ACCURACY OF HYDROMETRIC DATA

The overall accuracy or the degree of reliability of hydrometric data referred to herein, depends upon

(1) The type of gauge, stability of gauge, accuracy of observation of stage and measurement of reference datum,

(2) The stability of the stage-discharge relationship; or if the control is unstable, the frequency and accuracy of discharge measurements, and

(3) The computation procedures and interpretation of records.

Because of all these variable factors, the number of significant figures used herein has been standardized for uniformity of presentation and does not reflect the degree of accuracy of the data. The Water Resources Branch standard for storing water level data is to three decimal points (0.001 m), although some contributing agencies provide data to two decimal points (0.01 m).

A measure of the reliability of the records can be made by an examination of the distribution of the symbols A, E and B (for discharge data).

In general, data collected during open-water periods are more reliable than those collected during periods of ice conditions or those obtained by estimation. Further, water level data collected utilizing a water-stage recorder are more reliable and accurate than those using a manual gauge only, especially for small or flashy streams.

MICROFICHE

All published daily discharge, water level and sediment data are available in metric units on microfiche, upon request. The data are stored in station number order by province. There are 270 frames per microfiche at 48X reduction; there is a visible heading showing the fiche number, type of data, province, beginning and ending station number and year of data, and the month/year the fiche was created. The last frame is an index of the contents of that fiche.

EXACTITUDE DES DONNÉES HYDROMÉTRIQUES

La précision totale ou le degré d'exactitude des données hydrométriques dont on parle ici sont basés sur

(1) Le type de jauge, la stabilité de la gauge, la précision des observations sur les niveaux et de la mesure de la donnée de référence,

(2) La stabilité de la relation hauteur-débit ou, si l'élément régulateur est changeant, sur la fréquence et la précision des mesures de débits, et

(3) L'évaluation des procédés et l'interprétation des chiffres.

À cause de toutes les variables déjà mentionnées, on a normalisé pour des fins d'uniformité de présentation le nombre de chiffres significatifs, mais ceci ne réflète pas le degré d'exactitude des données. Dans la Direction des ressources en eau, les normes de cueillette des données sur le niveau des eaux sont de l'ordre de trois décimales (0.001 m), alors que certains organismes dans ce domaine n'exigent que deux décimales (0.01 m).

L'exactitude des données peut être appréciée par l'examen de la répartition des symboles A, E et B (pour les données de débits).

En général, les données recueillies au cours des périodes d'eau libre sont plus sûres que celles qui sont obtenues au cours des périodes de glaces ou par estimation. De plus, les données sur le niveau des eaux qui sont mesurées à l'aide d'un limnigraphe sont plus certaines et plus exactes que celles qui sont mesurées à l'aide d'une jauge manuelle seulement, surtout dans le cas de petits cours d'eau ou de cours d'eau à crues très rapides.

MICROFICHE

Toutes les données publiées concernant les débits quotidiens, les niveaux d'eau et les sédiments sont disponibles sur microfiche en unités métriques aux usagers qui en font la demande. Ces données sont emmagasinées par ordre de numéro de station et par province. Chaque microfiche renferme 270 pages réduites de 48X. L'en-tête indique le numéro de la fiche, le genre de données, la province, le numéro de la première et de la dernière station, celui de la première et de la dernière année de cueillette ainsi que le mois et l'année de préparation de la fiche. La dernière image donne l'index du contenu de la fiche.

STREAMFLOW DATA/DONNÉES SUR L'ÉCOULEMENT

ADAMS CREEK AT SODERSTROM'S RANCH - STATION NO. 11AB005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1909	---	---	---	---	---	---	---	0.109	0.018	0.026	---	---	---	1909
1910	---	---	---	0.192	0.085	0.026	0.007	0.005	0.014	0.017	---	---	---	1910
1911	---	---	---	0.374	0.214	---	---	---	---	---	---	---	---	1911
MEAN	---	---	---	0.283	0.150	0.026	0.007	0.057	0.016	0.023	---	---	---	MEAN

LOCATION - LAT 49 35 00 N, LONG 109 46 00 W DRAINAGE AREA, 62.9 km² NATURAL FLOW

ADAMS CREEK AT SODERSTROM'S RANCH - STATION NO. 11AB005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1909	---	---	---	---	1909
1910	---	---	0 ON JUL 15 *	---	1910
1911	---	---	---	---	1911
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

ADAMS CREEK AT SPANGLER'S RANCH - STATION NO. 11AB014

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1909	---	---	---	---	---	---	---	0.038	0.027	0.026	---	---	---	1909
1910	---	---	---	0.048	0.035	0.024	0.018	0.018	0.021	0.021	---	---	---	1910
1911	---	---	---	---	---	---	0.032	0.034	0.017	0.157	---	---	---	1911
1912	---	---	---	---	0.218	0.120	0.018	0.021	0.051	0.088	---	---	---	1912
1913	---	---	---	0.691	0.322	0.048	0.048	0.008	0	0.018	---	---	---	1913
1914	---	---	---	---	0.097	0.044	0.001	0	0	0.020	---	---	---	1914
1915	---	---	---	0.317	0.180	0.305	0.180	0.058	0.133	0.132	---	---	---	1915
1916	---	---	0.828	0.308	0.435	0.880	0.285	0.158	0.085	0.188	---	---	0.384	1916
MEAN	---	---	0.828	0.368	0.195	0.253	0.078	0.041	0.118	0.083	---	---	0.384	MEAN

LOCATION - LAT 49 31 35 N, LONG 109 47 10 W DRAINAGE AREA, 80.8 km² NATURAL FLOW

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1916

ADAMS CREEK AT SPANGLER'S RANCH - STATION NO. 11AB014

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1909	---	---	---	---	1909
1910	---	---	---	---	1910
1911	---	---	---	---	1911
1912	---	---	---	---	1912
1913	---	---	0 * ON JUN 13 *	---	1913
1914	---	---	0 ON AUG 4	---	1914
1915	---	---	0 ON JUL 8	---	1915
1916	---	---	---	---	1916
		3.45 ON MAR 11 *	0.023 ON MAR 8	8 340	MEAN
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		8 340	

ADAMS NORTH DITCH NEAR CYPRESS - STATION NO. 05NA027

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1916	---	---	---	---	0	0.009	---	---	---	---	---	---	---	1916
1916	---	---	---	---	---	---	---	---	---	---	---	---	---	1916
1917	---	---	---	---	0.001	---	---	---	---	---	---	---	---	1916
1918	---	---	---	---	---	---	---	---	---	---	---	---	---	1917
1919	---	---	---	---	---	---	---	---	---	---	---	---	---	1918
MEAN	---	---	---	---	0.001	0.009	---	---	---	---	---	---	---	1919

LOCATION - LAT 49 43 29 N, LONG 109 35 28 W REGULATED

ADAMS NORTH DITCH NEAR CYPRESS - STATION NO. 05HA027

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1915	---	---		---	1915
1916	---	---	0 ON MAY 1 *	---	1916
1917	---	---	0 ON MAY 15	---	1917
1918	---	---	0 ON MAY 1	---	1918
1919	---	---	OR ON AUG 5	---	1919
			OR ON MAY 23		
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN
		R - REVISED SINCE JAN 01 1987			

ADAMS SOUTH DITCH FROM CYPRESS CREEK - STATION NO. 05HA028

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1915	---	---	---	0.020	0.008	---	---	---	---	---	---	---	---	1915
1917	---	---	---	---	0.020	---	---	---	---	---	---	---	---	1917
1918	---	---	---	---	---	---	---	---	---	---	---	---	---	1918
1919	---	---	---	---	---	---	---	---	---	---	---	---	---	1919
MEAN	---	---	---	0.020	0.014	---	---	---	---	---	---	---	---	MEAN

LOCATION - LAT 49 43 00 N
LONG 109 35 00 W REGULATED

ADAMS SOUTH DITCH FROM CYPRESS CREEK - STATION NO. 05HA028

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1915	---	---	---	---	1915
1917	---	---	---	---	1917
1918	---	---	OR ON AUG 5 *	---	1918
1919	---	---	OR ON JUN 21	---	1919
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN
		R - REVISED SINCE JAN 01 1987			

ALCOTT CREEK ABOVE MEADOW LAKE - STATION NO. 05AD011

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1977	---	---	0.026	0.478	2.17	0.383	0.154	0.381	0.418	0.550	---	---	0.583	1977
1978	---	0.084	0.057	1.83	4.55	0.871	0.084	0.084	0.130	0.142	---	---	0.953	1978
1979	---	---	0.026	0.878	2.05	1.21	0.615	0.117	0.076	0.119	---	---	0.586	1979
1980	---	---	0.035	1.20	0.174	0.126	0.140	0.328	0.926	0.458	---	---	0.434	1980
1981	---	---	0.233	1.08	0.631	0.182	0.057	0.103	0.002	0.027	---	---	0.270	1981
1982	---	---	0.036	2.88	1.72	0.102	0.143	0.188	0.181	0.336	---	---	0.686	1982
1983	---	---	0.083	0.600	0.426	0.144	0.133	0.010	0.013	0.016	---	---	0.202	1983
1984	---	---	0.082	0.452	2.36	4.20	0.142	0.036	0.088	0.176	---	---	0.827	1984
1985	---	---	0.085	4.85	3.80	1.32	0.038	0.173	0.081	0.211	---	---	1.23	1985
1986	---	---	0.180	0.744	1.83	0.886	1.47	1.82	0.071	0.176	---	---	0.878	1986
1987	---	---	0.093	1.12	0.378	0.083	0.208	0.146	0.103	0.048	---	---	0.288	1987
1988	---	---	0.061	1.23	0.448	0.911	1.80	5.76	1.22	0.346	---	---	1.49	1988
MEAN	---	0.084	0.082	1.37	1.86	0.872	0.614	0.782	0.272	0.230	---	---	0.708	MEAN

LOCATION - LAT 53 57 10 N DRAINAGE AREA, 618 km^2
LONG 107 58 30 W

ALCOTT CREEK ABOVE MEADOW LAKE - STATION NO. 05AD011

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1977	8.72 AT 13:20 CST ON MAY 23	8.47R ON MAY 23	0.007 ON JUL 5	12 300	1977
1978	17.0 AT 23:11 CST ON MAY 5	15.7 R ON MAY 8	0.001 ON JUL 27 *	20 200	1978
1979	3.88 AT 01:00 CST ON MAY 3	3.88 ON MAY 3	0.002 ON SEP 2	12 400	1979
1980	---	3.97E ON APR 17	0.001 ON JUN 15	5 880	1980
1981	2.28 AT 17:56 CST ON AUG 15	1.87 ON APR 23	0.001 ON JUL 13	5 720	1981
1982	13.2 B AT 15:11 CST ON APR 24	11.3 B ON APR 24	0.001 ON JUN 30	14 100	1982
1983	3.38 AT 11:48 CST ON APR 24	1.87 ON APR 24	0.001 ON SEP 2	4 280	1983
1984	21.7 AT 12:45 CST ON JUN 10	20.9 ON JUN 10	0.003 ON SEP 6	19 800	1984
1985	15.7 AT 15:43 CST ON APR 27	14.8 ON APR 27	0.001 ON JUL 29	26 200	1985
1986	7.04 AT 18:09 CST ON AUG 4	5.92 ON AUG 4	0.023 ON SEP 13	15 600	1986
1987	2.47 AT 20:56 CST ON JUL 7	2.25B ON APR 7	0.007 ON JUN 27	5 880	1987
1988	36.0 AT 05:14 CST ON AUG 24 *	33.4 ON AUG 24 *	0.0618 ON MAR 1	31 500	1988
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		15 000	MEAN
	E - ESTIMATED	R - REVISED SINCE JAN 01 1987			

ANTELOPE CREEK NEAR CABRI - STATION NO. 05HC005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1970	---	---	0.535	0.242	0	0	0.001	0	0	0	---	---	0.097	1970
1971	---	---	0	1.23	0.001	0	0	0	0	0	---	---	0.150	1971
1972	---	---	0.011	0	0	0	0	0	0	0	---	---	0.001	1972
1973	---	---	0.008	0	0	0	0	0	0	0	---	---	0.001	1973
1974	---	---	0	1.71	0.891	0.073	0.013	0	0	0	---	---	0.307	1974
1975	---	---	0	0.853	0.109	0	0	0	0	0	---	---	0.118	1975
1976	---	---	1.23	0.354	0.002	0.001	0.014	0	0	0	---	---	0.201	1976
1977	---	---	0	0	0	0	0	0	0	0	---	---	0	1977
1978	---	---	0.038	0.040	0.001	0	0	0	0	0	---	---	0.010	1978
1979	---	---	0.084	0.126	0.001	0	0	0	0	0	---	---	0.026	1979
1980	---	---	0.018	0.003	0	0	0	0	0	0	---	---	0.003	1980
1981	---	0.238	0.007	0	0	0	0	0	0	0	---	---	0.001	1981
1982	---	0	0.385	0.120	0.001	0.038	0	0	0	0	---	---	0.058	1982
1983	---	0.011	0.021	0.002	0.007	0.002	0.287	0	0	0	---	---	0.042	1983
1984	---	---	0	0	0	0	0	0	0	0	---	---	0	1984
1985	---	---	0.488	0.262	0	0.001	0	0	0	0	---	---	0.084	1985
1986	---	0.017	0.012	0	0.007	0.007	0.029	0	0	0	---	---	0.007	1986
1987	---	0.005	0.044	0.001	0.004	0	0	0	0	0	---	---	0.008	1987
1988	---	---	0	0	0	0	0	0	0	0	---	---	0	1988
MEAN	---	0.054	0.152	0.280	0.043	0.006	0.019	0	0	0	---	---	0.060	MEAN

LOCATION - LAT 50 38 41 N DRAINAGE AREA, 244 km²
LONG 108 22 50 W NATURAL FLOW

ANTELOPE CREEK NEAR CABRI - STATION NO. 05HC005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1970	3.74 B AT 11:30 CST ON MAR 24	3.28 B ON MAR 24	0B ON MAR 1 *	2 080	1970
1971	---	8.24 ON APR 6	0B ON MAR 1	3 180	1971
1972	---	0.1188 ON MAR 24	0B ON MAR 1	30.2	1972
1973	---	0.0218 ON MAR 12	0B ON MAR 1	22.8	1973
1974	16.4 B AT 00:16 CST ON APR 16	10.4 B ON APR 16 *	0B ON MAR 1	8 510	1974
1975	8.51 AT 13:37 CST ON APR 16	8.80 ON APR 16	0B ON MAR 1	2 500	1975
1976	10.6 AT 12:43 CST ON MAR 23	7.59 ON MAR 23	0B ON MAR 1	4 250	1976
1977	0 AT 00:01 CST ON MAR 1	0 ON MAR 1	0 ON MAR 1	0	1977
1978	0.536 AT 23:26 CST ON MAR 30	0.436 ON MAR 30	0B ON MAR 1	211	1978
1979	---	0.4008 ON MAR 31	0B ON MAR 1	551	1979
1980	---	0.1808 ON MAR 30	0B ON MAR 1	55.7	1980
1981	---	0.0528 ON MAR 1	0 ON MAR 13	18.3	1981
1982	5.83 B AT 15:47 CST ON MAR 28	3.40 B ON MAR 28	0B ON MAR 1	1 440	1982
1983	30.0 AT 07:23 CST ON JUL 21 *	8.12 R ON JUL 21	0 ON MAR 8	880	1983
1984	0 B AT 00:00 CST ON MAR 1	0 B ON MAR 1	0B ON MAR 1	0	1984
1985	4.16 AT 03:12 CST ON APR 2	3.42 B ON MAR 16	0B ON MAR 1	1 890	1985
1986	---	0.434 ON JUL 23	0 ON MAR 13	143	1986
1987	0.3458 AT 01:55 CST ON MAR 28	0.2358 ON MAR 28	0B ON MAR 1	132	1987
1988	---	0 ON MAR 1	0 ON MAR 1	0	1988
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD R - REVISED SINCE JAN 01 1987		1 280	MEAN

ANTLER RIVER NEAR WAUCHOPE - STATION NO. 05MF010

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1965	---	---	0	0.231	0.002	0.008	0	0	0.128	0.178	---	---	0.068	1965
1966	---	---	0.165	0.731	0.358	0.012	0.001	0	0	0	---	---	0.156	1966
1967	---	---	0	0.226	0.039	0	0	0	0	0	---	---	0.033	1967
1968	---	---	0.100	0.001	0	0	0	0	0	0	---	---	0.013	1968
1969	---	---	0	2.84	0.052	0	0.931	0.041	0	0	---	---	0.477	1969
1970	---	---	0	1.38	1.48	0.084	0.008	0	0	0	---	---	0.347	1970
1971	---	---	0	0.288	0.022	0	0.007	0	0	0	---	---	0.040	1971
1972	---	---	0.801	0.318	0.121	0.128	0	0	0	0	---	---	0.148	1972
1973	---	---	0.048	0.803	0.007	0.011	0	0	0	0	---	---	0.008	1973
1974	---	---	0	1.67	0.707	0.118	0	0	0	0	---	---	0.333	1974
1975	---	---	0	2.58	1.11	0.378	0.032	0.201	1.38	0.233	---	---	0.728	1975
1976	---	---	0	8.88	0.600	0.128	0.010	0	0	0	---	---	1.30	1976
1977	---	---	0	0	0.003	0	0	0	0	0	---	---	0	1977
1978	---	---	0.004	0.123	0.030	0.017	0	0	0	0	---	---	0.021	1978
1979	---	---	0	0.898	0.110	0.006	0	0	0	0	---	---	0.133	1979
1980	---	---	0	0.231	0	0	0	0.002	0	0	---	---	0.028	1980
1981	---	---	0.018	0	0	0	0	0	0	0	---	---	0.002	1981
1982	---	---	0	0.807	0	0	0	0	0	0	---	---	0.111	1982
1983	---	---	0	1.04	0.011	0	0	0	0	0	---	---	0.128	1983
1984	---	---	0.008	0.004	0	0	0	0	0	0	---	---	0.002	1984
1985	---	---	0.258	0.310	0.002	0	0	1.88	0.288	0.187	---	---	0.384	1985
1986	---	---	0.498	0.095	0.581	0.085	0.082	0.004	0	0	---	---	0.158	1986
1987	---	---	0.188	0.813	0.007	0	0	0	0	0	---	---	0.121	1987
1988	---	---	0	0	0	0	0	0	0	0	---	---	0	1988
MEAN	---	---	0.077	1.03	0.213	0.040	0.044	0.088	0.074	0.024	---	---	0.197	MEAN

LOCATION - LAT 49 35 03 N DRAINAGE AREA, 350 km²
LONG 101 50 52 W NATURAL FLOW

ANTLER RIVER NEAR WAUCHOPE - STATION NO. 05NF010

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1965	---	2.20 ON APR 13	0B ON MAR 1 *	1 440	1965
1966	---	2.61 B ON APR 1	0B ON MAR 1	3 270	1966
1967	---	1.13 B ON APR 8	0B ON MAR 1	888	1967
1968	---	0.860B ON MAR 14	0B ON MAR 1	265	1968
1969	---	18.2 ON APR 13	0B ON MAR 1	10 100	1969
1970	---	3.71 ON APR 30	0B ON MAR 1	7 340	1970
1971	---	0.610B ON APR 11	0B ON MAR 1	853	1971
1972	---	3.54 B ON MAR 20	0B ON MAR 1	3 080	1972
1973	---	0.236 ON MAR 15	0B ON MAR 1	185	1973
1974	---	11.9 ON APR 19	0B ON MAR 1	7 050	1974
1975	---	11.5 ON APR 28	0B ON MAR 1	15 400	1975
1976	34.5 AT 04:59 CST ON APR 10 *	31.7 ON APR 10 *	0B ON MAR 1	27 500	1976
1977	0.241A AT 23:00 CST ON MAY 4	0.051 ON MAY 5	0B ON MAR 1	6.83	1977
1978	1.27 B AT 11:48 CST ON APR 4	0.716B ON APR 4	0B ON MAR 1	483	1978
1979	5.95 AT 10:35 CST ON APR 21	5.20 ON APR 21	0B ON MAR 1	2 810	1979
1980	3.48 B AT 20:11 CST ON APR 6	1.57 ON APR 7	0B ON MAR 1	803	1980
1981	---	0.080B ON MAR 1	0B ON APR 1	81.1	1981
1982	9.21 B AT 22:33 CST ON APR 13	7.75 B ON APR 14	0B ON MAR 1	2 380	1982
1983	7.68 AT 01:00 CST ON APR 21	7.11 ON APR 21	0B ON MAR 1	2 740	1983
1984	0.257B AT 22:27 CST ON MAR 21	0.077B ON MAR 22	0B ON MAR 1	32.4	1984
1985	18.4 AT 09:13 CST ON AUG 5	18.5 ON AUG 5	0B ON MAR 1	7 710	1985
1986	3.57 AT 03:28 CST ON JUN 20	2.26 B ON MAR 3	0 ON JUN 1	3 570	1986
1987	4.86 B AT 22:44 CST ON APR 3	3.87 B ON APR 5	0B ON MAR 1	2 570	1987
1988	0 B AT 00:00 CST ON MAR 1	0 B ON MAR 1	0B ON MAR 1	0	1988
				4 170	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

ARM RIVER NEAR BETHUNE - STATION NO. 05JH001

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1922	---	---	---	10.0	1.58	0.189	0.125	0.041	0.035	0.029	---	---	---	1922
1923	---	---	0.025	2.58	0.810	---	---	---	---	---	---	---	---	1923
1938	---	---	0.051	4.07	0.854	0.105	---	---	---	---	---	---	---	1938
1953	---	---	---	1.83	0.047	0.069	---	---	---	---	---	---	---	1953
1954	---	---	0.043	0.880	0.484	1.34	---	---	---	---	---	---	---	1954
1955	---	---	0.411	6.81	2.13	0.184	0.154	0.014	0	0	---	---	1.20	1955
1956	---	---	0	8.94	0.814	0.464	0.243	0.078	0.023	0.015	---	---	1.05	1956
1957	---	---	2.87	2.08	0.350	0.105	0.018	0.002	0	0.002	---	---	0.678	1957
1958	---	---	1.60	1.28	0.128	0.042	0.001	0	0	0	---	---	0.368	1958
1959	---	---	0.212	0.130	0.088	0.211	0.088	0	0.002	0.035	---	---	0.084	1959
1960	---	---	0.811	4.08	0.283	0.077	0.023	0	0	0	---	---	0.650	1960
1961	---	---	0.081	0.075	0.185	0.214	0	0	0	0	---	---	0.089	1961
1962	---	---	0.001	0.743	0.083	0.087	0.002	0	0	0	---	---	0.110	1962
1963	---	---	0.188	0.010	0.012	0.172	0.100	0.157	0.001	0	---	---	0.077	1963
1964	---	---	0.082	0.102	0.088	0	0	0	0	0	---	---	0.028	1964
1965	---	---	0	0.385	0.087	0.188	0.887	0.008	0	0.004	---	---	0.188	1965
1966	---	---	1.09	2.15	0.204	0.205	0.122	0.008	0	0.081	---	---	0.477	1966
1967	---	---	0	0.735	0.814	0.084	0.001	0	0	0	---	---	0.217	1967
1968	---	---	2.18	0.138	0.042	0.182	0	0.008	0.010	0.032	---	---	0.324	1968
1969	---	---	0	11.4	0.488	0.008	0.029	0.123	0.003	0.822	---	---	1.85	1969
1970	---	---	0.892	4.80	0.752	0.205	0.124	0.001	0.114	0.087	---	---	0.828	1970
1971	---	---	0	2.48	0.184	0.073	0.084	0.108	0	0.057	---	---	0.368	1971
1972	---	---	0.235	0.190	0.115	0.020	0	0	0	0	---	---	0.070	1972
1973	---	---	0.388	0.187	0.220	0.318	0.009	0	0	0.058	---	---	0.142	1973
1974	---	---	0	14.8	2.28	0.857	0.148	0.078	0.021	0.021	---	---	2.21	1974
1975	---	---	0	1.84	0.525	0.108	0.034	0	0	0	---	---	0.285	1975
1976	---	---	0.884	3.29	0.133	0.284	0.125	0.002	0.078	0.029	---	---	0.871	1976
1977	---	---	0.007	0.018	0.045	0.008	0	0	0	0.030	---	---	0.014	1977
1978	---	---	0.388	1.38	0.221	0.054	0.001	0	0.085	0	---	---	0.258	1978
1979	---	---	0	6.04	1.23	0.203	0.052	0.008	0	0.008	---	---	0.828	1979
1980	---	---	0.828	1.32	0.004	0.001	0.059	0.001	0	0.151	---	---	0.258	1980
1981	---	0.033	0.058	0.122	0.042	0.005	0.005	0.005	0.001	0.010	---	---	0.031	1981
1982	---	---	0.001	4.82	0.441	0.107	0.088	0.010	0	0	---	---	0.872	1982
1983	---	---	0.202	1.14	0.128	0.028	0.487	0.050	0.007	0.008	---	---	0.251	1983
1984	---	---	0.223	0.342	0.020	0.001	0	0	0	0	---	---	0.073	1984
1985	---	---	1.70	8.31	0.358	0.028	0	0	0	0	---	---	1.40	1985
1986	---	0.092	1.17	0.418	0.458	0.008	0	0	0	0	---	---	0.258	1986
1987	---	---	0.931	1.49	0.838	0.007	0	0	0	0	---	---	0.308	1987
1988	---	---	0.038	0.017	0.004	0	0	0	0	0	---	---	0.007	1988
MEAN	---	0.083	0.480	2.83	0.425	0.188	0.078	0.020	0.010	0.033	---	---	0.470	MEAN

LOCATION - LAT 50 44 12 N, LONG 105 11 28 W DRAINAGE AREA, 1 810 km^2, REGULATED

ARM RIVER NEAR BETHUNE - STATION NO. 05JH001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1922	---	42.5 E ON APR 7	---	---	1922
1923	---	7.31 ON APR 14	0 B ON MAR 1 *	---	1923
1936	---	28.2 ON APR 12	0 B ON MAR 1	---	1936
1953	---	17.6 ON APR 2	---	---	1953
1954	---	3.65 ON APR 23	0 B ON MAR 1	---	1954
1955	---	25.6 B ON APR 4	0 B ON MAR 1	25 300	1955
1956	---	29.2 ON APR 17	0 B ON MAR 1	22 300	1956
1957	---	15.0 B ON MAR 24	0 B ON MAR 1	14 400	1957
1958	---	11.6 B ON MAR 29	0 B ON MAR 10	7 780	1958
1959	---	3.26 ON JUN 28	0 B ON MAR 1	2 000	1959
1960	---	19.8 ON APR 6	0 B ON MAR 1	13 800	1960
1961	---	0.578 ON JUN 2	0 B ON MAR 1	1 480	1961
1962	---	3.28 ON APR 7	0 B ON MAR 1	2 330	1962
1963	2.11 AT 05:00 CST ON JUN 10	1.93 A ON MAR 24	0 B ON MAR 1	1 840	1963
1964	---	0.3688 ON MAR 18	0 B ON MAR 1	585	1964
1965	---	2.80 B ON APR 10	0 B ON MAR 1	3 510	1965
1966	10.3 A AT 08:00 CST ON APR 4	6.83 A ON APR 4	0 B ON MAR 1	10 100	1966
1967	---	2.23 ON MAY 2	0 B ON MAR 1	4 800	1967
1968	---	0.68 B ON MAR 7	0 ON JUN 23	6 670	1968
1969	91.7 B AT 22:00 CST ON APR 13	58.3 ON APR 14	0 B ON MAR 1	32 700	1969
1970	---	14.2 B ON APR 10	0 B ON MAR 1	17 500	1970
1971	14.6 B AT 22:38 CST ON APR 9	8.44 B ON APR 9	0 B ON MAR 1	7 740	1971
1972	3.82 B AT 11:06 CST ON MAR 22	1.86 B ON MAR 22	0 B ON MAR 1	1 480	1972
1973	3.06 B AT 14:42 CST ON MAR 11	1.82 B ON MAR 11	0 B ON MAR 1	3 010	1973
1974	100 AT 17:58 CST ON APR 22 *	86.7 ON APR 22 *	0 B ON MAR 1	48 800	1974
1975	9.37 B AT 13:01 CST ON APR 15	5.31 B ON APR 15	0 B ON MAR 1	8 030	1975
1976	---	10.8 B ON APR 3	0 ON AUG 15	12 100	1976
1977	0.374 AT 20:22 CST ON MAY 26	0.252 ON MAY 26	0 ON JUL 6	288	1977
1978	---	3.65 B ON MAR 30	0 B ON MAR 1	5 430	1978
1979	27.2 AT 20:20 CST ON APR 22	25.5 ON APR 22	0 B ON MAR 1	19 700	1979
1980	7.70 B AT 13:50 CST ON MAR 31	5.40 B ON MAR 30	0 B ON MAR 1	5 880	1980
1981	0.4918 AT 17:21 CST ON APR 22	0.437 ON APR 22	0 E ON JUL 11	853	1981
1982	37.6 AT 19:00 CST ON APR 16	29.7 ON APR 17	0 B ON MAR 1	14 200	1982
1983	4.86 B AT 21:00 CST ON APR 5	3.76 B ON APR 6	0.561 ON JUN 18	8 320	1983
1984	1.89 B AT 16:38 CST ON MAR 25	1.71 B ON MAR 25	0 ON JUL 5	1 840	1984
1985	20.0 AT 06:18 CST ON APR 8	19.7 ON APR 7	0 B ON MAR 1	29 700	1985
1986	5.08 B AT 20:02 CST ON MAR 2	4.56 B ON MAR 3	0 ON JUN 20	5 480	1986
1987	5.25 B AT 08:12 CST ON APR 6	4.63 B ON APR 6	0 ON JUN 17	8 470	1987
1988	0.8148 AT 11:00 CST ON MAR 3	0.4608 ON MAR 3	0 B ON MAR 1	181	1988
				5 880	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

ARMSTRONG EAST DITCH NEAR MURRAYDALE - STATION NO. 11AC030

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1913	---	---	0	0	0	0	0	0	0	0	---	---	0	1913
1914	---	---	0	0	0	0	0	0	0	0	---	---	0	1914
1915	---	---	0	0	0	0	0	0	0	0	---	---	0	1915
1916	---	---	0	0	0	0	0	0	0	0	---	---	0	1916
1917	---	---	---	---	---	---	---	---	---	---	---	---	---	1917
1918	---	---	---	---	---	---	---	---	---	---	---	---	---	1918
1920	---	---	---	---	---	---	---	---	---	---	---	---	---	1920
1921	---	---	0	0	0	0	0	0	0	0	---	---	0	1921
1922	---	---	---	---	---	---	---	---	---	---	---	---	---	1922
1923	---	---	0	0	0	0	0	0	0	0	---	---	0	1923
1924	---	---	0	0	0	0	0	0	0	0	---	---	0	1924
1925	---	---	0	0	0	0	0	0	0	0	---	---	0	1925
1926	---	---	0	0	0	0	0	0	0	0	---	---	0	1926
1927	---	---	0	0	0	0	0	0	0	0	---	---	0	1927
1928	---	---	0	0	0	0	0	0	0	0	---	---	0	1928
1929	---	---	0	0	0	0	0	0	0	0	---	---	0	1929
1930	---	---	0	0	0	0	0	0	0	0	---	---	0	1930
1931	---	---	0	0	0	0	0	0	0	0	---	---	0	1931
1932	---	---	0	0	0	0	0	0	0	0	---	---	0	1932
1934	---	---	0	0	0.008	0.008	0	0	0	0	---	---	0.002	1934
1936	---	---	0	0	0.008	0	0	0	0	0	---	---	0.001	1936
1937	---	---	0	0	0.008	0	0	0	0	0	---	---	0.001	1937
1938	---	---	0	0	0	0	0	0	0	0	---	---	0	1938
1939	---	---	0	0	0	0	0	0	0	0	---	---	0	1939
MEAN	---	---	0	0	0.001	0	0	0	0	0	---	---	0	MEAN

LOCATION - LAT 49 37 40 N
LONG 109 12 30 W
REGULATED

ARMSTRONG EAST DITCH NEAR MURRAYDALE - STATION NO. 11AC030

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1913	---	0 ON MAR 1	0 ON MAR 1 *	0	1913
1914	---	0 ON MAR 1	0 ON MAR 1	0	1914
1915	---	0 ON MAR 1	0 ON MAR 1	0	1915
1916	---	0 ON MAR 1	0 ON MAR 1	0	1916
1917	---	---	0 ON MAY 27	---	1917
1919	---	---	0 ON MAY 28	---	1919
1920	---	---	0 ON JUN 14	---	1920
1921	---	0.001 ON JUN 12	0 ON MAR 1	0.09	1921
1922	---	---	0 ON JUN 20	---	1922
1923	---	0 ON MAR 1	0 ON MAR 1	0	1923
1924	---	0 ON MAR 1	0 ON MAR 1	0	1924
1925	---	0 ON MAR 1	0 ON MAR 1	0	1925
1926	---	0 ON MAR 1	0 ON MAR 1	0	1926
1927	---	0 ON MAR 1	0 ON MAR 1	0	1927
1928	---	0 ON MAR 1	0 ON MAR 1	0	1928
1929	---	0 ON MAR 1	0 ON MAR 1	0	1929
1930	---	0 ON MAR 1	0 ON MAR 1	0	1930
1931	---	0 ON MAR 1	0 ON MAR 1	0	1931
1932	---	0 ON MAR 1	0 ON MAR 1	0	1932
1934	---	0.008E ON MAY 1 *	0 ON MAR 1	47.4	1934
1936	---	0.008E ON MAY 1	0 ON MAR 1	24.1	1936
1937	---	0.008E ON MAY 1	0 ON MAR 1	24.1	1937
1938	---	0 ON MAR 1	0 ON MAR 1	0	1938
1939	---	0 ON MAR 1	0 ON MAR 1	0	1939
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		4.78	MEAN

E - ESTIMATED

ARMSTRONG WEST DITCH NEAR MURRAYDALE - STATION NO. 11AC031

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1919	---	---	0	0.011	0.038	0.008	0	0	0	0	---	---	0.008	1919
1920	---	---	0	0	0.037	0.011	0	0	0	0	---	---	0.008	1920
1921	---	---	0	0	0.030	---	---	---	---	---	---	---	---	1921
1922	---	---	0	0	0.011	0.003	0	0	0	0	---	---	0.002	1922
1923	---	---	0	0.200	0	0	0	0	0	0	---	---	0.024	1923
1924	---	---	0	0	0.107	0	0	0	0	0	---	---	0.014	1924
1926	---	---	0	0	0	0	0	0	0	0	---	---	0	1926
1928	---	---	0	0	0	0	0	0	0	0	---	---	0	1928
1929	---	---	0	0	0	0	0	0	0	0	---	---	0	1929
1930	---	---	0	0	0.014	0.020	0	0	0	0	---	---	0.004	1930
1934	---	---	0	0	0	0	0	0	0	0	---	---	0	1934
MEAN	---	---	0	0.018	0.021	0.004	0	0	0	0	---	---	0.008	MEAN

LOCATION - LAT 49 37 10 N
LONG 108 13 10 W REGULATED

REMARKS - ESTIMATED ANNUAL DIVERSIONS ARE: 1925(74);1927(183);1930(49);1932(123);1936(25);1937(25);1938(73); AND 1939(74) (DAM3)

ARMSTRONG WEST DITCH NEAR MURRAYDALE - STATION NO. 11AC031

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1919	---	0.037 ON APR 21	0 ON MAR 1 *	124	1919
1920	---	0.037 ON MAY 1	0 ON MAR 1	138	1920
1921	---	---	0 ON MAR 1	---	1921
1922	---	0.012 ON MAY 1	0 ON MAR 1	36.3	1922
1923	---	0.218 ON APR 1 *	0 ON MAR 1	518	1923
1924	---	0.122 ON MAY 2	0 ON MAR 1	288	1924
1926	---	0 ON MAR 1	0 ON MAR 1	0	1926
1928	---	0 ON MAR 1	0 ON MAR 1	0	1928
1929	---	0 ON MAR 1	0 ON MAR 1	0	1929
1930	---	0.051 ON MAY 14	0 ON MAR 1	88.7	1930
1934	---	0 ON MAR 1	0 ON MAR 1	0	1934
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		118	MEAN

ARNOLD TRIBUTARY NEAR FISKE - STATION NO. 05HF019

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1970	---	---	0	0.514	0.088	0.048	0.003	0	0	0.001	---	---	0.078	1970
1971	---	---	0	0.343	0.005	0.003	0.005	0	0	0	---	---	0.044	1971
1972	---	---	0.024	0.021	0.001	0	0	0	0	0	---	---	0.006	1972
1973	---	---	0.048	0.005	0.004	0	0	0	0	0	---	---	0.007	1973
1974	---	---	0	0.230	0.018	0.034	0.002	0.001	0.001	0.002	---	---	0.036	1974
1975	---	---	0	0.274	0.014	0.008	0	0	0	0.001	---	---	0.038	1975
1976	---	---	0.077	0.088	0.003	0.004	0.002	0	0	0	---	---	0.023	1976
1977	---	---	0.007	0.007	0.021	0	0	0	0	0.001	---	---	0.005	1977
1978	---	---	0.060	0.034	0.008	0.002	0	0	0	0	---	---	0.013	1978
1979	---	---	0.028	0.035	0.005	0.002	0.002	0	0	0	---	---	0.008	1979
MEAN	---	---	0.025	0.158	0.015	0.010	0.001	0	0	0.001	---	---	0.028	MEAN

LOCATION - LAT 51 28 08 N DRAINAGE AREA, 24.3 km²
LONG 108 27 52 W NATURAL FLOW

ARNOLD TRIBUTARY NEAR FISKE - STATION NO. 05HF019

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1970	0.09 AT 18:59 CST ON APR 10 *	3.37 B ON APR 8 *	0B ON MAR 1 *	1 880	1970
1971	4.36 E AT 18:30 CST ON APR 9	2.32 E ON APR 9	0B ON MAR 1	825	1971
1972	0.8828 AT 12:01 CST ON MAR 16	0.1598 ON APR 2	0B ON MAR 1	123	1972
1973	0.726 AT 19:40 CST ON MAR 16	0.227 ON MAR 17	0 ON MAR 1	152	1973
1974	5.07 AT 14:50 CST ON JUN 26	0.9488 ON APR 18	0B ON MAR 1	748	1974
1975	3.86 AT 18:54 CST ON APR 19	1.67 B ON APR 19	0B ON MAR 1	772	1975
1976	3.03 AT 18:10 CST ON MAR 31	0.9168 ON MAR 31	0B ON MAR 1	483	1976
1977	0.733 AT 18:30 CST ON MAY 19	0.221 ON MAY 19	0 ON JUN 3	85.5	1977
1978	1.72 B AT 20:00 CST ON MAR 29	0.5808 ON MAR 29	0B ON MAR 1	280	1978
1979	1.12 AT 23:12 CST ON APR 18	0.313 ON APR 18	0B ON MAR 1	193	1979
	B - ICE CONDITIONS E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		842	MEAN

ASSINIBOINE RIVER AT KAMSACK - STATION NO. 05MD004

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1944	---	---	---	2.88	1.40	0.884	0.472	0.117	0.138	0.187	---	---	---	1944
1945	---	---	---	8.43	4.05	2.37	1.30	0.272	0.308	0.587	---	---	---	1945
1946	---	---	---	13.8	3.15	1.18	0.823	0.288	0.239	0.383	---	---	---	1946
1947	---	---	---	21.8	18.1	4.81	4.82	0.882	0.832	1.12	---	---	---	1947
1948	---	---	---	---	73.7	5.51	2.44	1.00	0.288	0.408	---	---	---	1948
1949	---	---	---	---	1.83	5.23	1.40	0.472	0.126	0.178	---	---	---	1949
1950	---	---	---	14.1	8.57	2.36	1.00	2.25	0.545	0.325	---	---	---	1950
1951	---	---	---	20.4	32.1	8.47	3.08	1.24	3.23	7.87	---	---	---	1951
1952	---	---	---	37.4	12.2	3.44	1.23	0.318	0.188	0.247	---	---	---	1952
1953	---	---	---	16.5	18.2	21.1	62.8	31.3	13.7	5.20	4.45	---	---	1953
1954	---	---	---	31.2	83.7	118	38.8	9.45	12.2	13.5	7.81	---	---	1954
1955	---	---	---	91.8	132	31.9	12.7	4.82	2.32	2.28	---	---	---	1955
1956	---	---	---	42.4	125	29.4	10.8	3.13	2.30	1.77	1.89	0.884	---	1956
1957	0.431	0.375	0.402	40.8	45.2	5.46	1.79	1.10	1.02	0.147	0.232	0.333	8.14	1957
1958	0.158	0.288	0.309	8.48	2.61	0.874	0.101	0.029	0.030	0.081	0.375	0.068	1.09	1958
1959	0.060	0.028	1.09	5.83	1.80	0.477	0.560	0.154	0.212	0.620	0.528	0.200	0.928	1959
1960	0.177	0.201	0.131	53.7	18.3	8.34	3.68	0.183	0.031	0.021	0.188	0.218	7.21	1960
1961	0.188	0.083	0.216	0.828	0.718	0.358	0	0	0	0	0	0	0.181	1961
1962	0	0	0.007	18.9	7.16	1.20	0.260	0.004	0.083	0.048	0.083	0	2.36	1962
1963	0	0	0.813	8.44	1.48	1.15	0.540	0.075	0	0.028	0.028	0.028	0.885	1963
1964	0.028	0.028	0.028	5.00	5.31	0.812	0.304	0.348	0.781	0.705	0.721	0.277	1.19	1964
1965	0.222	0.192	0.184	21.3	8.94	19.5	5.57	1.21	1.37	3.28	1.80	0.843	5.31	1965
1966	0.572	0.378	0.808	65.1	23.8	9.11	8.22	4.77	1.68	0.473	0.828	0.724	8.68	1966
1967	0.503	0.388	0.270	12.0	42.2	5.80	0.570	0.108	0.007	0.470	0.161	0.183	5.27	1967
1968	0.146	0.173	1.71	8.44	1.34	0.758	0.374	0.332	0.314	0.073	0.148	0.143	1.15	1968
1969	0.128	0.078	0.130	26.4	4.85	1.24	0.828	0.545	0.118	0.620	0.348	0.131	2.92	1969
1970	0.077	0.071	0.073	20.8	27.8	8.18	3.70	0.770	0.043	0.945	1.88	0.773	5.28	1970
1971	0.367	0.320	0.288	86.3	18.0	8.37	3.11	1.81	0.188	0.558	0.818	0.843	8.38	1971
1972	0.808	0.328	0.784	84.2	80.2	3.78	0.792	0.228	0.009	0.088	0.286	0.148	10.9	1972
1973	0.088	0.088	0.888	5.14	5.86	8.42	7.38	1.08	0.217	0.167	0.388	0.671	2.48	1973
1974	0.384	0.380	0.338	47.6	88.4	30.0	2.14	1.17	1.81	1.80	1.88	1.52	13.1	1974
1975	0.814	0.721	0.583	45.1	88.4	18.5	8.85	1.48	1.38	1.35	1.71	0.833	14.2	1975
1976	0.434	0.403	0.873	98.3	26.2	20.5	18.9	3.15	0.484	0.402	0.883	0.667	14.3	1976
1977	0.407	0.388	0.483	8.84	4.34	0.711	0.157	0.117	0.148	0.384	0.481	0.438	1.48	1977
1978	0.288	0.184	0.288	15.7	8.81	0.888	1.24	0.130	0.070	0.177	0.883	0.573	2.28	1978
1979	0.414	0.311	0.229	41.1	83.2	14.0	1.85	0.483	0.511	0.330	0.404	0.480	12.8	1979
1980	0.453	0.374	0.388	28.8	8.13	0.828	0.434	0.118	0.078	0.284	0.487	0.318	3.08	1980
1981	0.187	0.181	1.78	4.70	1.75	1.48	1.28	0.844	0.122	1.40	1.83	0.818	1.32	1981
1982	0.218	0.188	0.342	8.21	4.28	1.44	8.18	0.488	0.083	0.242	0.344	0.202	1.88	1982
1983	0.243	0.288	0.288	38.8	38.1	8.17	11.3	3.78	0.284	0.188	0.888	0.821	7.18	1983
1984	0.378	0.387	4.83	18.4	7.41	8.43	2.10	0.188	0.084	0.187	0.787	0.881	3.38	1984
1985	0.381	0.322	0.341	78.8	28.1	8.87	1.48	0.413	0.321	0.508	0.840	0.378	9.83	1985
1986	0.373	0.428	1.85	80.8	12.1	3.73	2.27	0.880	0.081	0.178	0.402	0.443	8.88	1986
1987	0.383	0.383	1.75	28.8	4.80	1.81	1.84	0.423	0.187	0.338	0.701	0.818	3.48	1987
1988	2.27	1.87	1.84	45.7	28.8	3.82	0.340	0.074	0.028	0.048	0.202	0.232	6.88	1988
MEAN	0.353	0.288	0.748	28.8	28.3	8.87	5.23	1.78	1.04	1.11	0.878	0.488	5.48	MEAN

LOCATION - LAT 51 33 53 N DRAINAGE AREA, 13 000 km²
LONG 101 54 58 W REGULATED

ASSINIBOINE RIVER AT KAMSACK - STATION NO. 05MD004

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1944	---	8.01 B ON APR 14	0 ON APR 1 *	---	1944
1945	---	13.9 B ON APR 2	---	---	1945
1946	---	22.3 B ON MAR 28	---	---	1946
1947	---	48.4 ON APR 22	0 B ON APR 1	---	1947
1948	---	238 ON APR 29	---	---	1948
1949	---	---	---	---	1949
1950	---	45.9 ON APR 24	---	---	1950
1951	---	51.8 ON MAY 10	---	---	1951
1952	---	50.0 ON APR 20	---	---	1952
1953	---	107 ON JUL 7	---	---	1953
1954	---	299 ON JUN 17	---	---	1954
1955	---	239 ON MAY 10	---	---	1955
1956	---	203 ON APR 26	---	---	1956
1957	---	143 ON APR 25	0.057E ON OCT 20	257 000	1957
1958	18.2 AT 14:00 CST ON APR 7	17.0 ON APR 6	0.028 ON AUG 2	34 200	1958
1959	---	14.7 B ON APR 4	0.028B ON JAN 25	29 300	1959
1960	123 AT 06:00 CST ON APR 20	121 ON APR 20	0 E ON OCT 17	228 000	1960
1961	---	0.963 ON MAY 15	0 ON JUL 2	5 700	1961
1962	84.8 AT 01:00 CST ON APR 25	84.0 ON APR 25	0 ON JAN 1	75 100	1962
1963	---	13.5 A ON APR 16	0 B ON JAN 1	27 800	1963
1964	---	14.7 B ON APR 19	0.028B ON JAN 1	37 700	1964
1965	50.4 AT 01:00 CST ON APR 16	49.6 ON APR 16	0.138 ON SEP 14	187 000	1965
1966	108 AT 02:00 CST ON APR 17	104 ON APR 17	0.153 ON OCT 11	274 000	1966
1967	86.3 AT 03:30 CST ON MAY 8	85.0 ON MAY 8	0 ON AUG 28	188 000	1967
1968	---	16.4 B ON APR 7	0 ON JUL 15	38 500	1968
1969	84.0 AT 07:38 CST ON APR 20	83.7 ON APR 20	0 ON SEP 20	92 200	1969
1970	41.8 AT 24:00 CST ON MAY 8	41.3 ON MAY 8	0 ON AUG 28	188 000	1970
1971	185 AT 08:03 CST ON APR 21	183 ON APR 21	0.054 ON SEP 22	284 000	1971
1972	158 AT 12:40 CST ON APR 26	155 ON APR 26	0 ON SEP 6	345 000	1972
1973	12.8 AT 18:08 CST ON JUL 14	12.8 ON JUL 14	0.028B ON JAN 21	76 500	1973
1974	192 AT 22:55 CST ON APR 25	190 ON APR 26	0.083B ON FEB 27	413 000	1974
1975	223 AT 03:43 CST ON MAY 5	218 ON MAY 5	0.280B ON JAN 12	448 000	1975
1976	276 AT 08:11 CST ON APR 17 *	273 ON APR 17 *	0.210 ON SEP 24	453 000	1976
1977	23.3 AT 12:48 CST ON APR 18	23.1 ON APR 18	0.034 ON SEP 8	47 000	1977
1978	25.8 AT 14:55 CST ON APR 25	25.7 ON APR 25	0.027 ON SEP 18	71 100	1978
1979	234 AT 12:18 CST ON APR 29	229 ON APR 29	0.158 ON SEP 30	408 000	1979
1980	57.7 AT 01:18 CST ON APR 15	55.3 ON APR 15	0.061 ON AUG 3	97 700	1980
1981	9.928 AT 08:30 CST ON APR 11	9.26 B ON APR 10	0.022 ON OCT 5	41 500	1981
1982	32.4 AT 02:33 CST ON JUL 19	31.5 ON JUL 16	0.026 ON SEP 6	58 300	1982
1983	127 AT 17:33 CST ON APR 28	127 ON APR 28	0.093 ON SEP 24	226 000	1983
1984	22.2 B AT 23:09 CST ON APR 1	21.8 B ON APR 2	0.004 ON AUG 31	105 000	1984
1985	155 AT 04:37 CST ON APR 19	154 ON APR 19	0.207B ON JAN 21	304 000	1985
1986	120 AT 23:41 CST ON APR 8	116 ON APR 7	0.020 ON SEP 8	217 000	1986
1987	50.7 AT 08:17 CST ON APR 8	50.3 ON APR 8	0.052 ON SEP 8	108 000	1987
1988	89.1 AT 01:38 CST ON APR 14	87.2 ON APR 14	0.005 ON OCT 8	218 000	1988
				172 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

ASSINIBOINE RIVER AT STURGIS - STATION NO. 05MC001

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1944	---	---	---	0.806	0.553	0.181	0.083	0.028	0.019	0.020	---	---	---	1944
1945	---	---	---	2.43	1.85	0.973	0.705	0.107	0.116	0.143	---	---	---	1945
1946	---	---	---	4.05	1.26	0.786	0.362	0.043	0.232	0.228	---	---	---	1946
1947	---	---	---	---	4.72	1.61	2.27	0.410	0.474	0.527	---	---	---	1947
1948	---	---	---	---	20.8	1.77	0.523	0.267	0.048	0.073	---	---	---	1948
1949	---	---	---	1.02	1.33	3.86	0.606	0.199	0.031	0.044	---	---	---	1949
1950	---	---	---	---	3.44	1.11	0.482	2.10	0.186	0.186	---	---	---	1950
1951	---	---	---	5.62	14.0	3.43	1.87	0.955	3.55	5.66	---	---	---	1951
1952	---	---	---	18.9	6.23	1.85	0.446	0.232	0.085	0.187	---	---	---	1952
1953	---	---	---	4.30	9.46	16.3	25.6	14.8	7.01	1.96	1.68	---	---	1953
1954	---	---	---	5.26	29.1	44.6	5.64	2.18	5.06	3.70	1.76	---	---	1954
1955	---	---	---	26.6	38.0	4.60	1.13	0.338	0.216	0.258	---	---	---	1955
1956	---	---	---	4.36	32.3	5.98	1.59	0.800	0.832	0.587	---	---	---	1956
1957	---	---	0.133	12.8	8.23	0.816	0.384	0.199	0.281	0.221	---	---	2.66	1957
1958	---	---	0.153	1.69	0.631	0.298	0.104	0	0	0	---	---	0.380	1958
1959	---	---	0.149	0.868	0.426	0.029	0.109	0.030	0.138	0.516	---	---	0.265	1959
1960	---	---	0	17.2	8.87	5.81	1.78	0.044	0.005	0	---	---	3.83	1960
1961	---	---	0.037	0.305	0.481	0.028	0	0	0	0	---	---	0.106	1961
1962	---	---	0	5.10	1.78	0.185	0	0	0	0	---	---	0.874	1962
1963	---	---	0.209	3.48	0.444	0.367	0.133	0	0	0	---	---	0.586	1963
1965	---	---	0	8.26	5.73	19.7	4.24	0.594	0.352	0.380	---	---	4.87	1965
1966	---	---	0.888	18.8	8.80	3.86	2.40	2.17	0.538	0.323	---	---	4.77	1966
1967	---	---	0.233	3.88	18.4	2.53	0.156	0	0	0	---	---	2.82	1967
1968	---	---	0.201	3.22	0.232	0.181	0.208	0.332	0.085	0.218	---	---	0.576	1968
1969	---	---	0.082	8.02	1.34	0.254	0.114	0.010	0.002	0.150	---	---	1.23	1969
1970	---	---	0.027	7.26	12.4	2.84	1.35	0.871	0.122	0.232	---	---	3.10	1970
1971	---	---	0.294	22.5	4.18	2.39	0.885	1.02	0.043	0.180	---	---	3.88	1971
1972	---	---	0.202	26.0	28.1	1.51	0.434	0.140	0.040	0.490	---	---	7.10	1972
1973	---	---	0.345	4.29	3.85	5.36	5.82	0.530	0.054	0.197	---	---	2.56	1973
1974	---	---	0.190	15.7	26.8	10.7	0.822	0.128	0.788	0.948	---	---	7.38	1974
1975	---	---	0.327	15.8	22.0	5.86	1.71	0.180	0.285	0.484	---	---	5.81	1975
1976	---	---	0.172	30.0	4.88	8.58	5.32	0.858	0.411	0.106	---	---	8.28	1976
1977	---	---	0.148	4.46	1.18	0.182	0.023	0.018	0.042	0.047	---	---	0.782	1977
1978	---	---	0.058	8.83	2.80	0.170	1.81	0.141	0.107	0.138	---	---	1.48	1978
1979	---	---	0.154	16.0	32.5	8.89	0.533	0.090	0.015	0.083	---	---	8.98	1979
1980	---	---	0.132	5.82	0.888	0.115	0.082	0.082	0.083	0.163	---	---	0.894	1980
1981	---	---	0.837	3.53	0.883	0.241	0.139	0.287	0.085	0.834	---	---	0.845	1981
1982	---	---	0.108	5.30	1.89	0.457	0.141	0.078	0.035	0.186	---	---	0.886	1982
1983	---	---	0.060	7.24	5.87	2.38	1.49	0.586	0.048	0.085	---	---	2.20	1983
1984	---	---	0.828	5.61	3.02	4.70	0.327	0.082	0 003	0.179	---	---	1.84	1984
1985	---	---	0.107	18.6	5.18	0.512	0.048	0.020	0.007	0.126	---	---	3.06	1985
1986	---	---	0.584	13.3	2.25	0.458	0.558	0.027	0.009	0.116	---	---	2.14	1986
1987	---	---	0.271	10.4	1.09	0.380	0.170	0.143	0.020	0.119	---	---	1.84	1987
1988	---	---	0.210	15.1	5.71	0.861	0.018	0.004	0	0.003	---	---	3.08	1988
MEAN	---	---	0.223	8.87	8.75	3.98	1.89	0.892	0.462	0.479	1.72	---	2.76	MEAN

LOCATION - LAT 51 56 23 N DRAINAGE AREA, 1 930 km²
LONG 102 32 49 W NATURAL FLOW

ASSINIBOINE RIVER AT STURGIS - STATION NO. 05MC001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1944	---	3.08 B ON APR 18	0 ON APR 1 *	---	1944
1945	---	7.70 B ON APR 3	0 ON AUG 28	---	1945
1946	---	9.23 B ON MAR 31	---	---	1946
1947	---	10.2 ON MAY 3	---	---	1947
1948	---	44.2 B ON APR 25	---	---	1948
1949	---	6.99 ON JUN 6	---	---	1949
1950	---	18.3 ON AUG 7	---	---	1950
1951	---	32.3 ON MAY 2	0 B ON APR 1	---	1951
1952	---	33.7 ON APR 11	---	---	1952
1953	---	---	---	---	1953
1954	---	---	---	---	1954
1955	---	73.1 ON MAY 6	---	---	1955
1956	---	81.7 ON MAY 13	---	---	1956
1957	---	48.6 ON APR 27	0.026 ON AUG 6	63 400	1957
1958	2.83 AT 11:00 CST ON APR 3	2.83 ON APR 3	0 ON JUL 20	8 040	1958
1959	---	1.19 ON OCT 31	0 ON MAR 1	6 030	1959
1960	---	38.4 ON APR 19	0 E ON MAR 1	83 100	1960
1961	---	0.745 ON MAY 13	0 ON JUN 6	2 280	1961
1962	---	24.6 ON APR 22	0 ON MAR 1	18 500	1962
1963	15.6 AT 17:00 CST ON APR 10	11.6 ON APR 10	0 ON MAR 1	12 000	1963
1965	56.9 AT 05:00 CST ON JUN 7	56.6 ON JUN 7	0 E ON MAR 1	105 000	1965
1966	47.6 AT 05:00 CST ON APR 15	46.4 ON APR 15	0.085 ON SEP 27	101 000	1966
1967	29.7 A AT 23:00 CST ON MAY 3	29.2 A ON MAY 3	0 ON JUL 28	61 800	1967
1968	9.51 AT 00:45 CST ON APR 11	6.62 ON APR 11	0 ON JUN 25	12 200	1968
1969	---	29.4 B ON APR 14	0 ON SEP 20	28 000	1969
1970	30.9 AT 15:00 CST ON APR 29	30.8 ON APR 29	0.022B ON MAR 1	65 700	1970
1971	81.0 AT 08:42 CST ON APR 16	78.7 ON APR 16	0 ON SEP 21	81 700	1971
1972	101 AT 20:32 CST ON APR 26 *	100 ON APR 26 *	0.028E ON OCT 4	150 000	1972
1973	11.6 AT 22:41 CST ON JUL 8	11.7 ON JUL 8	0.026E ON SEP 11	54 100	1973
1974	50.1 AT 00:13 CST ON MAY 26	48.6 ON MAY 26	0.074E ON AUG 22	156 000	1974
1975	89.7 AT 24:00 CST ON APR 30	89.4 ON APR 30	0.184 ON AUG 8	123 000	1975
1976	88.9 AT 01:21 CST ON APR 14	86.1 ON APR 14	0.028E ON SEP 28	133 000	1976
1977	16.0 AT 15:15 CST ON APR 13	13.5 ON APR 14	0.009E ON AUG 9	15 900	1977
1978	21.8 AT 12:47 CST ON APR 20	20.4 B ON APR 20	0.031 ON JUN 27	30 800	1978
1979	72.3 AT 11:43 CST ON APR 26	72.0 ON APR 26	0.010E ON SEP 12	148 000	1979
1980	23.4 AT 07:14 CST ON APR 15	22.8 ON APR 16	0.019E ON JUL 30	21 100	1980
1981	7.11 AT 21:20 CST ON APR 6	6.77 ON APR 6	0.040E ON SEP 25	17 800	1981
1982	13.1 B AT 12:00 CST ON APR 21	12.5 B ON APR 22	0.025 ON SEP 24	20 800	1982
1983	45.2 AT 04:56 CST ON APR 25	42.1 ON APR 25	0.006 ON SEP 26	46 700	1983
1984	12.2 B AT 01:13 CST ON APR 6	11.7 ON APR 6	0.001E ON AUG 30	41 100	1984
1985	39.8 AT 10:40 CST ON APR 23	39.5 ON APR 23	0.001E ON A..2 11	84 800	1985
1986	37.3 AT 02:15 CST ON APR 8	33.8 ON APR 8	0.004A ON AUG 17	45 300	1986
1987	36.8 AT 03:51 CST ON APR 8	34.4 ON APR 8	0.013 ON SEP 18	32 700	1987
1988	32.8 B AT 17:11 CST ON APR 8	29.8 B ON APR 8	0 E ON SEP 2	85 300	1988
				58 500	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

AVONLEA CREEK NEAR ROULEAU - STATION NO. 05JE005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1944	---	---	0	0	0	0	---	---	---	---	---	---	---	1944
1945	---	---	0	0	0	0	---	---	---	---	---	---	---	1945
1946	---	---	2.76	0.038	0	0	---	---	---	---	---	---	---	1946
1947	---	---	0	6.59	0.340	0.184	---	---	---	---	---	---	---	1947
1948	---	---	0	7.72	2.61	0.181	---	---	---	---	---	---	---	1948
1949	---	---	0	1.13	0	0.018	---	---	---	---	---	---	---	1949
1950	---	---	0.018	4.46	0.901	0.048	---	---	---	---	---	---	---	1950
1951	---	---	0	3.02	3.32	0.038	---	---	---	---	---	---	---	1951
1952	---	---	0.088	5.41	0.074	0.088	---	---	---	---	---	---	---	1952
1953	---	---	0.464	0.211	0.548	10.4	---	---	---	---	---	---	---	1953
1954	---	---	0	9.10	1.21	0.031	0.338	0.053	0	0.407	---	---	1.37	1954
1970	---	---	0.088	4.85	7.88	1.10	0.188	0.004	0	0.154	---	---	1.78	1970
1971	---	---	0.812	6.87	0.486	0.204	0.653	0.077	0	0.178	---	---	1.10	1971
1972	---	---	4.14	0.586	2.42	0.323	0.140	0.124	0	0	---	---	0.874	1972
1973	---	---	0.011	0.017	0.050	0.057	0.011	0.001	0	0.020	---	---	0.021	1973
1974	---	---	0	17.3	4.47	0.513	0.187	1.40	0.015	0.030	---	---	2.88	1974
1975	---	---	0.033	11.0	4.48	0.882	0.131	0.083	0.013	0.013	---	---	2.03	1975
1976	---	---	5.32	11.7	0.288	0.790	0.588	0.081	0.004	0.333	---	---	2.80	1976
1977	---	---	0.013	0.034	0.080	0.087	0.048	0	0	0	---	---	0.036	1977
1978	---	---	1.76	1.38	0.287	0.080	0.123	0.040	0.008	0.014	---	---	0.459	1978
1979	---	---	0.686	8.42	5.08	0.282	0.841	0.017	0.001	0	---	---	1.87	1979
1980	---	---	0.112	0.583	0.026	0.055	0.031	0.030	0	0.002	---	---	0.104	1980
1981	---	0.035	0.003	0.002	0.005	0.033	0.188	0.071	0	0.003	---	---	0.038	1981
1982	---	---	0.044	10.1	0.851	0.418	4.82	0.063	0.008	0.002	---	---	1.86	1982
1983	---	0.188	0.386	7.47	0.812	0.062	0.078	0.018	0	0	---	---	1.08	1983
1984	---	---	0.017	0.059	0	0.048	0.058	0	0	0	---	---	0.023	1984
1985	---	---	1.03	0.080	0.028	0.078	0.175	0.078	0.022	0.005	---	---	0.188	1985
1986	---	0.078	1.42	0.004	0.882	0.071	0.083	0.043	0.008	0.001	---	---	0.315	1986
1987	---	0.008	0.032	0.012	0.044	0.078	0.223	0.011	0	0	---	---	0.060	1987
1988	---	---	0	0.002	0.003	0.012	0.008	0	0	0	---	---	0.003	1988
MEAN	---	0.072	0.888	3.83	1.21	0.531	0.420	0.105	0.004	0.058	---	---	0.944	MEAN

LOCATION - LAT 50 02 50 N, LONG 104 59 27 W
DRAINAGE AREA, 858 km^2
REGULATED

REMARKS - RECORDS COLLECTED IN SE06-14-22-W2, ABOUT 9.6 km DOWNSTREAM FOR THE PERIODS 1944-53 AND 1968-70

AVONLEA CREEK NEAR ROULEAU - STATION NO. 05JE005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1944	---	---	0 ON MAR 1 *	---	1944
1945	---	---	0 ON MAR 1	---	1945
1946	---	8.77 E ON MAR 18	0 ON MAR 1	---	1946
1947	---	13.7 ON APR 5	0 B ON MAR 1	---	1947
1948	---	25.8 ON APR 18	0 B ON MAR 1	---	1948
1949	---	8.80 ON APR 5	0 B ON MAR 1	---	1949
1950	---	26.6 ON APR 18	0 B ON MAR 1	---	1950
1951	---	8.26 ON MAY 1	0 B ON MAR 1	---	1951
1952	---	16.5 ON APR 4	0 B ON MAR 1	---	1952
1953	---	30.6 ON JUN 28	0 B ON MAR 1	---	1953
1969	---	28.3 ON APR 10	0 B ON MAR 1	29 100	1969
1970	---	30.8 ON MAY 8	0 B ON MAR 1	37 700	1970
1971	28.3 AT 01:30 CST ON APR 9	26.4 ON APR 9	0 B ON MAR 1	23 200	1971
1972	26.7 B AT 21:30 CST ON MAR 17	25.0 B ON MAR 17	0 B ON MAR 1	20 800	1972
1973	---	0.241 ON JUN 4	0 B ON MAR 1	445	1973
1974	54.4 AT 20:26 CST ON APR 19	51.3 ON APR 19	0 B ON MAR 1	62 800	1974
1975	38.8 AT 22:20 CST ON APR 21	37.8 ON APR 21	0 B ON MAR 1	43 000	1975
1976	35.7 AT 17:33 CST ON APR 2	35.1 ON APR 2	0 B ON MAR 1	52 800	1976
1977	2.42 AT 04:38 CST ON JUL 11	0.867 ON MAY 19	0 B ON MAR 1	709	1977
1978	14.8 B AT 22:56 CST ON MAR 26	13.6 B ON MAR 26	0 B ON MAR 1	8 720	1978
1979	36.2 AT 17:57 CST ON APR 20	34.4 ON APR 20	0 B ON MAR 1	39 600	1979
1980	2.43 AT 19:4[illegible] CST ON APR 4	1.81 ON APR 4	0 B ON MAR 1	2 180	1980
1981	---	0.485 ON JUL 25	0 ON APR 3	810	1981
1982	55.8 B AT 15:26 CST ON APR 15 *	51.9 B ON APR 15 *	0 B ON MAR 1	41 800	1982
1983	19.2 AT 21:33 CST ON APR 10	16.9 ON APR 11	0 ON JUN 17	23 000	1983
1984	0.894 AT 08:55 CST ON APR 23	0.584 ON APR 23	0 B ON MAR 1	478	1984
1985	8.74 B AT 13:41 CST ON MAR 19	5.02 B ON MAR 20	0.002 ON SEP 20	3 980	1985
1986	7.47 B AT 18:58 CST ON MAR 2	6.11 B ON MAR 2	0 ON AUG 27	5 670	1986
1987	7.85 AT 05:26 CST ON JUL 30	3.48 ON JUL 30	0 B ON MAR 1	1 070	1987
1988	0.094 AT 11:46 CST ON JUN 8	0.072 ON JUN 8	0 B ON MAR 1	81.7	1988
				20 000	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BADGER DITCH NEAR CONSUL - STATION NO. 11AB028

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1920	---	---	---	---	---	---	---	---	---	---	---	---	---	1920
1921	---	---	0	0	0	0	0	0	0	0	---	---	0	1921
1922	---	---	0	0	0.008	0	0	0	0	0	---	---	0.001	1922
1923	---	---	0	0	0	0	0	0	0	0	---	---	0	1923
1924	---	---	0	0	0	0	0	0	0	0	---	---	0	1924
1925	---	---	0	0	0	0	0	0	0	0	---	---	0	1925
1926	---	---	0	0	0	0	0	0	0	0	---	---	0	1926
1927	---	---	0	0	0	0	0	0	0	0	---	---	0	1927
1928	---	---	0	0	0	0	0	0	0	0	---	---	0	1928
1929	---	---	0	0	0	0	0	0	0	0	---	---	0	1929
MEAN	---	---	0	0	0.001	0	0	0	0	0	---	---	0	MEAN

LOCATION - LAT 49 07 20 N
LONG 109 25 20 W
REGULATED

BADGER DITCH NEAR CONSUL - STATION NO. 11AB028

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1920	---	---	0 ON MAR 19 *	---	1920
1921	---	0 ON MAR 1	0 ON MAR 1	0	1921
1922	---	0.059 ON MAY 3 *	0 ON MAR 1	15.3	1922
1923	---	0 ON MAR 1	0 ON MAR 1	0	1923
1924	---	0 ON MAR 1	0 ON MAR 1	0	1924
1925	---	0 ON MAR 1	0 ON MAR 1	0	1925
1926	---	0 ON MAR 1	0 ON MAR 1	0	1926
1927	---	0 ON MAR 1	0 ON MAR 1	0	1927
1928	---	0 ON MAR 1	0 ON MAR 1	0	1928
1929	---	0 ON MAR 1	0 ON MAR 1	0	1929
				1.7	MEAN

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BALLANTYNE RIVER ABOVE BALLANTYNE BAY - STATION NO. 05KF001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1967	---	---	1.40	1.56	20.2	30.7	11.9	6.18	1.98	3.39	---	---	---	1967
1968	---	---	0.666	3.33	13.9	17.6	7.67	3.23	18.9	11.1	---	---	---	1968
1969	---	---	1.44	16.5	9.14	6.10	2.66	1.49	2.01	10.6	---	---	---	1969
1970	---	---	---	---	---	18.0	37.0	16.3	9.94	7.83	---	---	---	1970
1971	---	---	2.97	17.6	14.3	12.2	19.3	6.92	2.65	3.93	---	---	---	1971
1972	---	---	1.17	9.64	33.6	6.53	3.13	2.61	7.46	16.4	6.43	1.60	---	1972
1973	1.41	0.982	0.803	7.22	34.9	64.2	25.6	8.04	11.3	8.32	6.16	3.93	13.6	1973
1974	3.09	2.65	3.33	4.43	30.6	22.1	134	19.7	16.9	14.6	8.97	5.29	22.6	1974
1975	2.40	2.26	5.66	7.92	27.1	16.0	6.70	4.32	4.57	3.83	1.84	0.966	7.16	1975
1976	0.936	1.20	0.741	5.46	4.61	5.13	14.5	6.84	2.96	3.73	0.644	0.376	3.65	1976
1977	0.243	0.188	0.188	5.79	16.7	---	---	---	8.17	10.9	3.26	1.16	---	1977
1978	0.813	0.508	0.838	3.22	10.9	11.4	8.35	12.6	16.0	10.7	6.57	2.73	6.93	1978
1979	1.36	0.772	1.34	5.03	25.8	19.6	8.27	4.61	22.7	13.5	8.56	3.35	9.61	1979
1980	1.66	1.78	1.58	8.10	6.33	2.66	3.29	5.87	14.4	13.6	4.63	1.67	5.50	1980
1981	1.31	0.953	1.59	4.12	9.75	8.76	6.61	1.89	1.40	2.06	1.44	1.73	3.49	1981
1982	0.837	0.186	0.238	1.26	14.4	16.2	9.84	13.8	6.87	8.21	5.95	2.16	6.72	1982
1983	2.04	1.77	2.16	9.19	26.6	33.9	17.9	6.37	17.3	11.8	6.96	2.64	11.5	1983
1984	1.84	2.38	3.12	17.1	24.8	22.8	10.0	4.00	6.10	8.84	6.73	3.70	9.25	1984
1985	2.48	2.13	3.18	23.0	44.2	21.8	14.4	15.6	8.62	7.89	3.59	0.903	12.4	1985
1986	1.23	1.61	2.62	8.80	31.2	11.7	7.21	9.36	4.20	8.48	3.33	2.31	7.57	1986
1987	2.14	2.24	2.29	17.6	13.9	7.82	8.57	6.22	4.37	4.33	3.15	1.80	6.26	1987
1988	1.32	0.946	1.26	6.22	24.4	5.62	6.66	6.84	5.66	3.60	2.22	1.26	5.64	1988
MEAN	1.59	1.42	1.84	8.66	20.9	16.6	17.4	7.69	8.90	8.67	4.63	2.21	8.79	MEAN

LOCATION - LAT 54 33 40 N
LONG 103 56 30 W
DRAINAGE AREA, 1 870 km²
NATURAL FLOW

BALLANTYNE RIVER ABOVE BALLANTYNE BAY - STATION NO. 05KF001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1967	---	---	---	---	1967
1968	---	---	---	---	1968
1969	---	---	---	---	1969
1970	127 AT 04:30 MST ON JUL 2	121 ON JUL 2	---	---	1970
1971	---	39.6E ON APR 23	---	---	1971
1972	---	79.9 ON MAY 1	---	---	1972
1973	158 AT 23:51 CST ON JUN 5	140 ON JUN 5	0.446B ON MAR 18	428 000	1973
1974	1 840 A AT 22:00 CST ON JUL 11 *	1 170 A ON JUL 12 *	2.80 B ON FEB 5	711 000	1974
1975	---	34.0E ON MAY 4	0.934B ON DEC 10	226 000	1975
1976	41.3 AT 06:28 CST ON JUL 16	41.1 ON JUL 16	0.311B ON DEC 31	122 000	1976
1977	---	---	0.173B ON MAR 5	---	1977
1978	27.2 AT 08:32 CST ON AUG 26	26.7 ON AUG 26	0.462B ON FEB 8	218 000	1978
1979	51.0 AT 17:24 CST ON MAY 19	49.9 ON MAY 19	0.858B ON FEB 19	303 000	1979
1980	27.0 AT 21:43 CST ON SEP 17	26.6 ON SEP 17	0.818B ON DEC 23	174 000	1980
1981	16.3 AT 14:55 CST ON JUN 24	15.7 ON JUN 24	0.510B ON FEB 14	110 000	1981
1982	33.6 AT 20:00 CST ON JUN 7	32.7 ON JUN 7	0.074B ON FEB 4 *	212 000	1982
1983	80.7 AT 21:48 CST ON JUN 4	76.6 ON JUN 5	1.25 B ON DEC 24	362 000	1983
1984	46.6 AT 03:58 CST ON MAY 23	46.1 ON MAY 23	1.56 B ON JAN 14	293 000	1984
1985	93.8 AT 20:38 CST ON MAY 8	91.0 ON MAY 7	0.608B ON DEC 3	382 000	1985
1986	67.4 AT 19:40 CST ON MAY 16	65.8 ON MAY 16	0.805B ON JAN 1	239 000	1986
1987	36.4 AT 00:31 CST ON APR 23	34.8 ON APR 23	1.40 B ON DEC 31	188 000	1987
1988	36.4 AT 14:58 CST ON MAY 1	35.9 ON MAY 1	0.560B ON DEC 31	176 000	1988
				278 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BARRIER RIVER BELOW BARRIER LAKE - STATION NO. 05LA005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1977	---	---	0	1.18	1.40	0.788	0.118	0.008	0.082	0.134	---	---	0.453	1977
1978	---	---	0	3.24	2.06	0.167	0.005	0.031	0.050	0.020	---	---	0.880	1978
1979	---	---	0	2.15	13.5	4.70	0.944	0.030	0.001	0.001	---	---	2.67	1979
1980	---	---	0.020	2.06	1.86	0.028	0	0.006	0.002	0	---	---	0.458	1980
1981	---	---	0.008	0.468	0.853	0.002	0.011	0.008	0.003	0.018	---	---	0.184	1981
1982	---	---	0.055	2.09	1.82	1.09	0.027	0.007	0	0	---	---	0.805	1982
1983	---	---	0.118	1.12	2.38	0.402	0.858	0.188	0.063	0.027	---	---	0.653	1983
1984	---	---	0.107	1.71	2.81	3.83	0.796	0.011	0.001	0.021	---	---	1.10	1984
1985	---	---	0.146	10.3	5.06	1.96	0.461	0.075	0.056	0.047	---	---	3.82	1985
1986	---	---	0.058	4.93	1.73	0.080	0.023	0.038	0	0	---	---	0.853	1986
MEAN	---	---	0.058	2.82	3.56	1.30	0.318	0.040	0.023	0.027	---	---	1.03	MEAN

LOCATION - LAT 52 32 58 N
LONG 103 41 10 W
DRAINAGE AREA, 1 340 km²

BARRIER RIVER BELOW BARRIER LAKE - STATION NO. 05LA005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1977	---	2.28 ON APR 22	0 B ON MAR 1 *	9 550	1977
1978	8.50 AT 14:26 CST ON APR 24	8.44 ON APR 24	0 B ON MAR 1	14 500	1978
1979	26.7 AY 20:14 CST ON MAY 2	26.5 ON MAY 2	0 B ON MAR 1	56 500	1979
1980	5.288 AT 07:26 CST ON APR 26	5.22 ON APR 26	0 ON JUN 26	9 720	1980
1981	2.06 AT 22:51 CST ON MAY 2	2.03 ON MAY 3	0 B ON MAR 1	3 800	1981
1982	5.55 AT 17:38 CST ON APR 24	5.39 ON APR 24	0 ON AUG 18	12 800	1982
1983	4.43 AT 18:16 CST ON APR 26	4.28 ON APR 27	0.002 ON JUN 24	13 800	1983
1984	6.80 AT 16:23 CST ON JUN 10	6.65 ON JUN 10	0 ON AUG 11	23 400	1984
1985	27.4 AT 02:24 CST ON APR 24 *	27.1 ON APR 24 *	0.015 ON SEP 13	55 500	1985
1986	8.55 AT 10:17 CST ON APR 11	8.38 ON APR 11	0 ON SEP 1	18 100	1986
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		21 800	MEAN

BARRIER RIVER NEAR MCKAGUE - STATION NO. 05LA002

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1964	---	---	---	1.72	---	---	---	---	---	---	---	---	---	1964
1965	---	---	---	1.80	1.68	---	---	---	---	---	---	---	---	1965
1966	---	---	---	2.62	2.84	---	---	---	---	---	---	---	---	1966
1967	---	---	---	---	---	1.87	---	---	---	---	---	---	---	1967
1969	---	---	---	2.45	---	---	---	---	---	---	---	---	---	1969
1971	---	---	---	1.08	---	---	---	---	---	---	---	---	---	1971
1973	---	---	---	---	2.80	4.76	2.55	0.781	---	---	---	---	---	1973
1974	---	---	---	---	6.94	---	1.05	---	---	---	---	---	---	1974
1975	---	---	0	2.16	7.71	2.83	0.953	0.044	0	0	---	---	1.73	1975
1976	---	---	0.113	3.88	3.01	1.81	1.50	0.421	0.054	0	---	---	1.12	1976
MEAN	---	---	0.057	2.24	4.00	2.74	1.51	0.409	0.027	0	---	---	1.46	MEAN

LOCATION - LAT 52 34 17 N LONG 104 01 45 W DRAINAGE AREA, 1 090 km^2
NATURAL FLOW

BARRIER RIVER NEAR MCKAGUE - STATION NO. 05LA002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1964	---	---	---	---	1964
1965	---	---	---	---	1965
1966	---	---	---	---	1966
1967	---	---	---	---	1967
1969	---	---	---	---	1969
1971	---	---	---	---	1971
1973	---	---	---	---	1973
1974	---	---	---	---	1974
1975	---	18.8 ON MAY 1 *	0B ON MAR 1 *	36 500	1975
1976	---	8.18 ON APR 13	0 ON SEP 29	25 100	1976
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		30 800	MEAN

BARRIER RIVER OVERFLOW - STATION NO. 05LA001

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1971	---	---	---	0.595	---	---	---	---	---	---	---	---	---	1971
1972	---	---	---	2.29	0.797	---	---	---	---	---	---	---	---	1972
1973	---	---	---	---	---	0	0.007	---	---	---	---	---	---	1973
1974	---	---	---	---	2.24	---	---	---	---	---	---	---	---	1974
1975	---	---	0	1.84	1.75	0.044	0	0	0	0	---	---	0.452	1975
1976	---	---	0	2.11	0.008	0.031	0.005	0.001	0	0	---	---	0.264	1976
1977	---	---	0	0.278	0.218	0.075	0	0	0	0	---	---	0.071	1977
1978	---	---	0	0.850	0.060	0	0	0	0	0	---	---	0.112	1978
1979	---	---	0	4.04	2.53	0.303	0	0	0	0	---	---	0.976	1979
MEAN	---	---	0	1.71	1.23	0.078	0.002	0	0	0	---	---	0.378	MEAN

LOCATION - LAT 52 37 53 N LONG 104 31 38 W NATURAL FLOW

BARRIER RIVER OVERFLOW - STATION NO. 05LA001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1971	---	---	---	---	1971
1972	---	---	---	---	1972
1973	---	---	---	---	1973
1974	---	---	---	---	1974
1975	---	11.9 ON APR 30	OB ON MAR 1 *	9 580	1975
1976	---	6.82 ON APR 9	OB ON MAR 1	5 590	1976
1977	---	1.618 ON APR 9	OB ON MAR 1	1 480	1977
1978	---	3.238 ON APR 10	OB ON MAR 1	2 380	1978
1979	---	19.4 ON APR 28 *	OB ON MAR 1	20 700	1979
				7 940	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

BARROBY DITCH NEAR RAVENSCRAG - STATION NO. 11AC032

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1915	---	---	0	0	0	0	0	0	0	0	---	---	0	1915
1922	---	---	---	---	---	---	---	---	---	---	---	---	---	1922
MEAN	---	---	0	0	0	0	0	0	0	0	---	---	0	MEAN

LOCATION - LAT 49 30 40 N
LONG 109 02 20 W REGULATED

REMARKS - NO WATER WAS DIVERTED FROM 1915-24

BARROBY DITCH NEAR RAVENSCRAG - STATION NO. 11AC032

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1915	---	0 ON MAR 1 *	0 ON MAR 1 *	0	1915
1922	---	---	0 ON JUN 22	---	1922
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		0	MEAN

DATE CREEK AT DATE'S RANCH - STATION NO. 11AC024

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1914	---	---	---	---	0.010	0.008	0.001	0.001	0.005	0.005	---	---	---	1914
1915	---	---	---	0.033	0.008	0.010	0.003	0.003	0.007	0.009	---	---	---	1915
1916	---	---	---	0.032	0.025	0.018	0.187	0.004	0.007	0.015	---	---	---	1916
MEAN	---	---	---	0.028	0.015	0.012	0.039	0.003	0.006	0.010	---	---	---	MEAN

LOCATION - LAT 49 27 10 N DRAINAGE AREA, 22.0 km^2
LONG 109 06 50 W REGULATED

DATE SOUTH DITCH - STATION NO. 11AC034

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1918	---	---	0	0	0	0	0.001	0	0	0	---	---	0	1918
1919	---	---	0	0	0	0	0.001	0	0	0	---	---	0	1919
1920	---	---	0	0	0	0	0	0.001	0	0	---	---	0	1920
1921	---	---	0	0	0	0	0	0.001	0	0	---	---	0	1921
1922	---	---	0	0	0	0.001	0.001	0.001	0.001	0	---	---	0.001	1922
1923	---	---	0	0	0.001	0	0.001	0	0	0	---	---	0	1923
1924	---	---	0	0	0	0	0.002	0.002	0.001	0	---	---	0.001	1924
1925	---	---	0	0	0	0	0.001	0.001	0.001	0	---	---	0	1925
1926	---	---	0	0	0	0	0.001	0.001	0	0	---	---	0	1926
1927	---	---	0	0	0	0	0	0.001	0	0	---	---	0	1927
1928	---	---	0	0	0.001	0	0	0.001	0.001	0	---	---	0	1928
1929	---	---	0	0	0	0	0.001	0.001	0	0	---	---	0	1929
1930	---	---	0	0	0	0	0.002	0.004	0	0	---	---	0.001	1930
MEAN	---	---	0	0	0	0	0.001	0.001	0	0	---	---	0	MEAN

LOCATION - LAT 49 27 00 N
LONG 109 09 00 W REGULATED

BATE SOUTH DITCH - STATION NO. 11AC034

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1918	---	0.001 ON MAY 23	0 ON MAR 1 *	3.72	1918
1919	---	0.001 ON JUN 22	0 ON MAR 1	3.80	1919
1920	---	0.001 ON JUN 4	0 ON MAR 1	3.37	1920
1921	---	0.001 ON JUL 21	0 ON MAR 1	2.33	1921
1922	---	0.001 ON JUN 1	0 ON MAR 1	11.5	1922
1923	---	0.005E ON MAY 24 *	0 ON MAR 1	5.96	1923
1924	---	0.005E ON JUL 20	0 ON MAR 1	13.0	1924
1925	---	0.001E ON JUN 25	0 ON MAR 1	7.18	1925
1926	---	0.001E ON JUL 1	0 ON MAR 1	5.38	1926
1927	---	0.001 ON JUL 24	0 ON MAR 1	3.37	1927
1928	---	0.001E ON MAY 7	0 ON MAR 1	5.44	1928
1929	---	0.001E ON JUL 1	0 ON MAR 1	5.36	1929
1930	---	0.005 ON JUL 18	0 ON MAR 1	18.0	1930
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		6.85	MEAN

E - ESTIMATED

BATTLE CREEK ABOVE CYPRESS LAKE WEST INFLOW CANAL - STATION NO. 11AB078

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1939	---	---	1.63	1.42	0.845	0.784	0.228	0.012	0.004	0.035	---	---	0.820	1939
1940	---	---	0.105	8.22	1.61	0.775	0.411	0.118	0.042	0.184	---	---	1.17	1940
1941	---	---	2.14	1.14	0.382	0.518	0.851	0.035	0.024	0.115	---	---	0.852	1941
1942	---	---	0.325	2.87	0.773	3.22	1.00	0.436	0.305	0.332	---	---	1.15	1942
1943	---	---	3.27	3.87	0.805	0.737	0.188	0.025	0.042	0.019	---	---	1.08	1943
1944	---	---	0.388	1.87	0.303	0.228	0.029	0.001	0.002	0.088	---	---	0.337	1944
1945	---	---	1.02	0.826	0.340	0.048	0.085	0	0.001	0.088	---	---	0.283	1945
1946	---	---	1.44	1.03	0.381	0.238	0.046	0.002	0.026	0.272	---	---	0.426	1946
1947	---	---	0.136	2.58	0.889	0.472	0.178	0.078	0.126	0.204	---	---	0.880	1947
1948	---	---	0.004	4.88	2.44	0.861	0.184	0.041	0.011	0.038	---	---	1.02	1948
1949	---	---	0.110	0.884	0.201	0.071	0.029	0.008	0	0.024	---	---	0.177	1949
1950	---	---	0.033	3.10	0.814	0.180	0.061	0.122	0.041	0.107	---	---	0.526	1950
1951	---	---	0.043	4.47	2.91	1.18	0.520	0.241	0.031	0.587	---	---	1.44	1951
1952	---	---	0.238	19.5	2.72	0.708	0.477	0.181	0.178	0.245	---	---	2.98	1952
1953	---	---	0.477	1.78	5.30	7.00	1.02	0.488	0.383	0.470	---	---	2.10	1953
1954	---	---	0.636	2.87	2.61	1.04	0.861	0.885	0.784	1.02	---	---	1.42	1954
1955	---	---	0.888	11.0	6.88	2.28	3.13	0.885	0.812	0.824	---	---	3.85	1955
1956	---	---	0.778	2.87	1.83	0.788	0.828	0.445	0.388	0.536	---	---	1.02	1956
1957	---	---	0.418	3.82	3.08	0.727	0.293	0.231	0.150	0.302	---	---	1.14	1957
1958	---	---	0.875	4.24	0.581	0.287	0.484	0.025	0.088	0.193	---	---	0.788	1958
1959	---	---	0.488	3.13	1.02	0.587	0.424	0.018	0.170	0.317	---	---	0.781	1959
1960	---	---	3.22	1.88	2.09	0.855	0.182	0.087	0.084	0.108	---	---	1.03	1960
1961	---	---	0.453	0.247	0.278	0.152	0.022	0.001	0.003	0.083	---	---	0.151	1961
1962	---	---	0.227	0.772	0.240	0.213	0.203	0.032	0.051	0.137	---	---	0.233	1962
1963	---	---	0.828	1.03	0.380	0.288	0.758	0.108	0.038	0.078	---	---	0.437	1963
1964	---	---	0.184	0.870	2.28	0.514	0.204	0.041	0.322	0.284	---	---	0.582	1964
1965	---	---	0.288	7.87	2.82	3.88	2.28	0.371	1.12	0.731	---	---	2.34	1965
1966	---	---	3.40	3.40	1.90	1.13	0.538	0.421	0.341	0.443	---	---	1.45	1966
MEAN	---	---	0.853	3.57	1.78	1.07	0.545	0.188	0.220	0.278	---	---	1.05	MEAN

LOCATION - LAT 49 35 44 N, LONG 109 41 02 W DRAINAGE AREA, 858 km^2, NATURAL FLOW INTERNATIONAL GAUGING STATION

BATTLE CREEK ABOVE CYPRESS LAKE WEST INFLOW CANAL - STATION NO. 11AB079

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1939	---	6.85 B ON MAR 22	0 ON AUG 15 *	13 100	1939
1940	41.3 AT 10:00 MST ON APR 23	33.1 ON APR 23	0.014 ON SEP 3	34 700	1940
1941	10.7 AT 01:30 MST ON JUL 1	9.28 ON JUL 1	0.008 ON SEP 8	13 600	1941
1942	---	19.8 E ON JUN 26	0.181 ON SEP 15	24 300	1942
1943	---	23.1 B ON MAR 30	0.008 ON AUG 31	23 000	1943
1944	---	4.42 B ON APR 6	0 ON JUL 29	7 150	1944
1945	8.74 AT 18:00 MST ON MAR 28	8.08 ON MAR 28	0 ON JUN 16	8 210	1945
1946	16.2 AT 13:00 MST ON MAR 29	11.8 ON MAR 29	0 ON AUG 15	8 020	1946
1947	12.7 B AT 14:00 MST ON APR 14	10.5 B ON APR 14	0 B ON MAR 1	12 500	1947
1948	23.1 AT 22:00 MST ON APR 24	19.8 ON APR 24	0 B ON MAR 1	21 500	1948
1949	3.00 AT 08:00 MST ON APR 10	1.51 B ON APR 6	0 B ON MAR 1	3 740	1949
1950	18.7 AT 15:30 MST ON APR 22	13.6 ON APR 22	0.014 ON SEP 6	11 200	1950
1951	27.3 AT 19:30 MST ON APR 29	25.3 ON APR 29	0.0288 ON MAR 1	30 500	1951
1952	---	78.0 E ON APR 14 *	0.034 ON AUG 25	83 200	1952
1953	86.6 AT 11:30 MST ON JUN 5 *	47.0 ON JUN 5	0.280 ON AUG 31	44 600	1953
1954	10.8 AT 08:30 MST ON MAY 8	7.78 ON MAY 8	0.210 ON AUG 1	30 000	1954
1955	36.2 B AT 14:30 MST ON APR 11	27.6 B ON APR 11	0.2838 ON APR 4	75 100	1955
1956	5.648 AT 12:00 MST ON APR 16	4.33 B ON APR 16	0.235 ON SEP 17	21 500	1956
1957	20.7 AT 17:00 MST ON MAY 3	16.4 ON MAY 1	0.113 ON JUL 27	24 100	1957
1958	13.5 B AT 10:00 MST ON APR 1	11.0 ON APR 6	0.011 ON AUG 17	18 900	1958
1959	8.84 AT 07:00 MST ON APR 15	6.91 ON APR 15	0 ON AUG 5	18 100	1959
1960	16.6 B AT 22:30 MST ON MAR 20	12.2 B ON MAR 21	0.040 ON SEP 8	21 800	1960
1961	1.87 AT 02:00 MST ON MAR 31	0.934 ON MAR 31	0 ON AUG 8	3 200	1961
1962	---	2.10 B ON APR 7	0.008 ON AUG 21	4 930	1962
1963	---	7.16 B ON MAR 30	0.033 ON SEP 8	9 250	1963
1964	12.0 AT 07:00 MST ON MAY 9	9.20 ON MAY 9	0.023 ON AUG 18	12 300	1964
1965	38.6 AT 21:00 MST ON APR 26	31.1 ON APR 27	0.2648 ON APR 5	49 800	1965
1966	22.4 AT 21:00 MST ON APR 1	20.3 ON APR 1	0.178 ON AUG 18	30 800	1966
				22 300	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BATTLE CREEK ABOVE CYPRESS LAKE WEST OUTFLOW CANAL - STATION NO. 11AB100

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1964	---	---	---	---	1.56	0.614	0.203	0.008	0.361	0.200	---	---	---	1964
1965	---	---	---	---	1.82	1.06	0.894	0.383	0.902	0.809	---	---	---	1965
1966	---	---	---	---	0.936	0.894	0.415	0.389	0.283	0.628	---	---	---	1966
1967	---	---	0.361	0.895	13.9	1.85	0.452	0.026	0.324	0.420	---	---	2.27	1967
1968	---	---	0.676	1.11	1.03	0.610	0.355	0.182	0.299	0.518	---	---	0.618	1968
1969	---	---	0.389	0.351	1.12	0.374	0.203	0.067	0.028	0.303	---	---	0.352	1969
1970	---	---	0.383	0.702	4.78	1.08	0.779	0.175	0.212	0.301	---	---	1.06	1970
1971	---	---	0.380	1.14	1.92	0.482	0.618	0.078	0.130	0.302	---	---	0.831	1971
1972	---	---	1.06	0.883	0.433	0.158	0.236	0.188	0.187	0.307	---	---	0.404	1972
1973	---	---	0.589	0.825	0.259	0.185	0.172	0.082	0.074	0.140	---	---	0.288	1973
1974	---	---	0.193	0.207	0.886	0.379	0.195	0.150	0.133	0.221	---	---	0.271	1974
1975	---	---	0.281	0.328	1.48	1.74	0.722	0.485	0.242	0.890	---	---	0.743	1975
1976	---	---	0.780	0.870	0.405	0.257	0.233	0.224	0.134	0.378	---	---	0.385	1976
1977	---	---	0.364	0.438	0.183	0.128	0.127	0.038	0.062	0.147	---	---	0.181	1977
1978	---	---	0.201	0.847	0.338	0.451	0.178	0.158	0.392	0.230	---	---	0.284	1978
1979	---	---	0.463	0.803	1.53	0.488	0.285	0.148	0.187	0.281	---	---	0.521	1979
1980	---	---	0.248	0.898	0.151	0.271	0.172	---	---	---	---	---	---	1980
MEAN	---	---	0.488	0.802	1.91	0.708	0.384	0.170	0.223	0.348	---	---	0.612	MEAN

LOCATION - LAT 48 27 53 N
LONG 108 38 04 W
DRAINAGE AREA, 788 km^2
REGULATED

BATTLE CREEK ABOVE CYPRESS LAKE WEST OUTFLOW CANAL - STATION NO. 11AB100

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1964	---	---	---	---	1964
1965	---	---	---	---	1965
1966	---	---	---	---	1966
1967	98.0 AT 07:00 MST ON MAY 19 *	77.9 ON MAY 19 *	0.014 ON AUG 14	47 800	1967
1968	3.48 AT 08:30 MST ON MAY 6	2.59 ON MAY 7	0.0118 ON MAR 3	13 100	1968
1969	2.08 AT 09:14 MST ON MAY 21	1.68 ON MAY 21	0 ON AUG 28 *	7 450	1969
1970	18.1 AT 22:06 MST ON MAY 6	17.2 ON MAY 7	0.074 ON AUG 21	22 300	1970
1971	8.06 AT 20:32 CST ON APR 27	5.21 ON APR 28	0.064 ON AUG 30	13 400	1971
1972	5.218 AT 10:35 CST ON MAR 14	2.698 ON MAR 15	0 ON SEP 10	8 680	1972
1973	2.71 AT 04:10 CST ON APR 21	1.29 ON APR 21	0.021 ON MAY 2	8 820	1973
1974	2.89 AT 18:06 CST ON MAY 27	1.68 ON MAY 22	0.028 ON AUG 11	8 730	1974
1975	8.20 AT 19:22 CST ON JUN 20	3.61 ON JUN 25	0.010 ON SEP 11	15 700	1975
1976	8.288 AT 11:28 CST ON MAR 19	4.678 ON MAR 19	0.022 ON JUN 18	8 180	1976
1977	4.90 AT 10:14 CST ON APR 8	2.42 ON APR 8	0.005 ON AUG 19	3 640	1977
1978	3.108 AT 18:31 CST ON APR 2	1.38 ON SEP 12	0.0188 ON APR 7	5 380	1978
1979	7.268 AT 01:47 CST ON APR 20	3.218 ON APR 24	0.0288 ON APR 14	11 000	1979
1980	---	1.82 ON APR 14	---	---	1980
				13 800	MEAN

B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BATTLE CREEK ABOVE GAFF DITCH - STATION NO. 11AB003

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1909	---	---	---	---	---	3.82	1.04	0.367	0.221	0.320	---	---	---	1909
1910	---	---	---	1.18	0.802	0.184	0.057	0.080	0.280	0.237	0.211	---	---	1910
1911	---	---	---	---	1.44	0.897	0.542	0.387	2.43	1.04	---	---	---	1911
1912	---	---	---	7.30	2.46	1.23	0.681	0.502	0.588	0.888	---	---	---	1912
1913	---	---	---	6.02	1.69	0.702	0.488	0.250	0.171	0.322	---	---	---	1913
1914	---	---	---	3.15	0.982	0.649	0.078	0.051	0.258	0.744	---	---	---	1914
1915	---	---	---	3.10	1.12	2.33	1.28	0.788	0.847	1.10	---	---	---	1915
1916	---	---	---	1.92	3.88	5.77	2.15	1.46	1.21	1.80	---	---	---	1916
1917	---	---	---	---	10.6	2.07	0.743	0.485	0.880	0.909	---	---	---	1917
1918	---	---	---	6.15	1.64	0.588	0.201	0.207	0.209	0.330	---	---	---	1918
1919	---	---	---	1.31	0.849	0.278	0.071	0.051	0.089	0.202	---	---	---	1919
1920	---	---	0.207	2.14	5.87	0.985	0.267	0.076	0.082	0.212	---	---	1.20	1920
1921	---	---	0.641	5.07	2.32	0.888	0.275	0.105	0.334	0.391	---	---	1.20	1921
1922	---	---	0.227	6.82	5.78	0.787	0.417	0.188	0.174	0.211	---	---	1.78	1922
1923	---	---	0.315	1.78	0.832	1.84	1.03	0.451	0.147	0.226	---	---	0.848	1923
1924	---	---	0.337	2.08	0.883	0.826	0.222	0.113	0.082	0.271	---	---	0.588	1924
1925	---	---	1.81	8.23	1.41	0.702	0.128	0.087	0.180	0.385	---	---	1.33	1925
1926	---	---	1.80	2.24	0.838	0.238	0.482	0.081	0.178	0.215	---	---	0.727	1926
1927	---	---	0.284	6.38	8.27	3.32	1.25	0.588	0.517	0.613	---	---	3.04	1927
1928	---	---	3.01	2.73	1.81	2.20	1.29	0.532	0.418	0.821	---	---	1.84	1928
1929	---	---	0.852	4.85	2.82	1.80	0.480	0.107	0.270	0.338	---	---	1.35	1929
1930	---	---	0.871	3.78	1.25	0.588	0.234	0.105	0.338	0.432	---	---	0.918	1930
1931	---	---	0.528	0.741	0.458	0.202	0.282	0.158	0.378	0.532	---	---	0.408	1931
1932	---	---	---	1.78	1.03	0.678	0.316	0.182	0.321	0.288	---	---	---	1932
1935	---	---	---	---	---	---	---	---	0.031	0.055	---	---	---	1935
1936	---	---	0.188	2.03	0.810	0.183	---	---	---	---	---	---	---	1936
1972	---	---	---	---	---	0.820	0.288	0.127	0.144	0.302	---	---	---	1972
1973	---	---	---	0.851	0.714	0.878	0.137	0.080	0.084	0.182	---	---	---	1973
1974	---	---	---	---	2.26	0.858	0.287	0.178	0.148	0.217	---	---	---	1974
1975	---	---	---	---	---	2.40	0.804	0.818	0.508	0.908	---	---	---	1975
1976	---	---	---	---	0.840	0.822	0.318	0.220	0.120	0.244	---	---	---	1976
MEAN	---	---	0.801	3.52	2.34	1.28	0.545	0.295	0.388	0.482	0.211	---	1.28	MEAN

LOCATION - LAT 49 28 53 N LONG 109 50 44 W DRAINAGE AREA, 520 km² REGULATED

BATTLE CREEK ABOVE GAFF DITCH - STATION NO. 11AB003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1909	---	---	---	---	1909
1910	---	---	---	---	1910
1911	---	---	---	---	1911
1912	---	21.7 ON APR 11	---	---	1912
1913	---	20.8 ON APR 14	---	---	1913
1914	---	13.2 ON APR 14	---	---	1914
1915	---	18.8 ON APR 4	---	---	1915
1916	---	27.8 ON MAY 31	---	---	1916
1917	---	34.3 ON MAY 9	---	---	1917
1918	---	23.2 B ON MAR 27	---	---	1918
1919	---	2.218 ON APR 3	---	---	1919
1920	---	27.5 ON MAY 9	0.051 ON AUG 25	25 300	1920
1921	---	14.7 ON APR 15	0.022 ON AUG 29 *	25 400	1921
1922	---	28.2 ON APR 23	0.0578 ON MAR 1	36 000	1922
1923	---	8.28 ON JUN 22	0.113 ON SEP 10	18 000	1923
1924	---	8.038 ON APR 7	0.025 ON SEP 4	12 800	1924
1925	---	18.1 ON APR 8	0.054 ON AUG 13	28 100	1925
1926	---	13.7 ON APR 12	0.040 ON JUL 28	15 400	1926
1927	---	47.3 ON APR 27 *	0.1888 ON MAR 1	84 300	1927
1928	---	17.8 B ON MAR 23	0.2588 ON MAR 1	32 500	1928
1929	---	28.2 ON APR 23	0.086 ON AUG 28	28 700	1929
1930	---	10.1 ON APR 7	0.054 ON AUG 10	18 400	1930
1931	---	1.98 ON MAR 21	0.102 ON JUL 30	8 870	1931
1932	---	3.06 ON APR 24	---	---	1932
1935	---	---	---	---	1935
1936	---	8.888 ON APR 11	---	---	1936
1972	---	---	---	---	1972
1973	2.88 AT 00:10 CST ON JUN 20	2.80 ON JUN 20	---	---	1973
1974	8.58 AT 19:58 CST ON MAY 28	7.48 ON MAY 28	0.057 ON AUG 3	---	1974
1975	---	---	---	---	1975
1976	13.0 A AT 22:20 CST ON APR 8 *	8.41 ON APR 7	0.078 ON SEP 4	---	1976
				28 400	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

BATTLE CREEK AT ALBERTA BOUNDARY - STATION NO. 11AB117

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1975	---	---	0.085	0.425	2.75	1.10	0.461	0.348	0.314	0.338	---	---	0.726	1975
1976	---	---	0.301	1.51	0.242	0.389	0.176	0.175	0.081	0.074	---	---	0.384	1976
1977	---	---	0.239	0.580	0.266	0.078	0.054	0.046	0.043	0.063	---	---	0.172	1977
1978	---	---	0.084	0.785	0.416	0.188	0.180	0.132	0.272	0.218	---	---	0.278	1978
1979	---	---	0.265	1.80	1.13	0.380	0.288	0.158	0.118	0.183	---	---	0.607	1979
1980	---	---	0.172	0.682	0.136	0.180	0.082	0.082	0.087	0.118	---	---	0.187	1980
1981	---	---	0.182	0.304	0.293	0.418	0.141	0.075	0.044	0.083	---	---	0.182	1981
1982	---	---	0.088	1.05	0.740	1.78	0.525	0.113	0.131	0.303	---	---	0.589	1982
1983	---	---	0.563	0.784	0.648	0.328	0.428	0.093	0.089	0.214	---	---	0.418	1983
1984	---	---	0.183	0.473	0.283	0.072	0.048	0.101	0.078	0.084	---	---	0.182	1984
1985	---	---	0.088	2.74	0.895	0.288	0.103	0.171	0.245	0.289	---	---	0.808	1985
1986	---	0.488	0.808	0.314	0.849	0.482	0.234	0.183	0.744	0.465	---	---	0.485	1986
1987	---	---	0.842	1.03	0.383	0.187	0.209	0.888	0.189	0.231	---	---	0.431	1987
1988	---	---	0.322	0.884	0.345	0.052	0.045	0.089	0.087	0.092	---	---	0.209	1988
MEAN	---	0.488	0.278	0.924	0.899	0.419	0.208	0.158	0.180	0.193	---	---	0.382	MEAN

LOCATION - LAT 49 38 55 N DRAINAGE AREA, 111 km²
LONG 110 00 15 W NATURAL FLOW

BATTLE CREEK AT ALBERTA BOUNDARY - STATION NO. 11AB117

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1975	25.3 AT 21:58 CST ON MAY 7	14.8 ON MAY 8	0.0678 ON MAR 11	15 400	1975
1976	14.8 AT 01:35 CST ON APR 1	7.85 ON APR 5	0.040 ON AUG 2	7 700	1976
1977	9.00 B AT 22:04 CST ON APR 7	3.85 B ON APR 8	0.022 ON AUG 1	3 840	1977
1978	11.0 AT 01:40 CST ON APR 27	8.48 ON APR 27	0.0208 ON MAR 1	5 670	1978
1979	39.4 E AT 20:55 CST ON APR 17	18.8 B ON APR 17 *	0.067 ON AUG 21	10 700	1979
1980	7.77 B AT 01:00 CST ON APR 14	3.48 B ON APR 14	0.028 ON AUG 1	3 980	1980
1981	6.81 AT 18:53 CST ON JUN 14	3.20 ON JUN 14	0.006 ON JUL 6	4 050	1981
1982	23.0 AT 00:26 CST ON APR 24	10.7 ON APR 24	0.043 ON SEP 22	12 500	1982
1983	8.47 B AT 02:41 CST ON MAR 12	3.90 B ON MAR 12	0.010 ON AUG 31	8 850	1983
1984	0.7888 AT 16:08 CST ON APR 10	0.7488 ON APR 10	0.002 ON JUL 21 *	3 430	1984
1985	45.4 AT 22:05 CST ON APR 28 *	18.8 A ON APR 13	0.020 ON AUG 28	13 900	1985
1986	---	4.85 ON SEP 25	0.151 ON AUG 27	10 500	1986
1987	9.42 B AT 21:26 CST ON MAR 6	3.76 B ON MAR 6	0.078 ON JUN 15	9 120	1987
1988	---	3.84 B ON APR 3	0.020 ON JUN 13	4 430	1988
				8 080	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1917	---	---	---	23.8	11.9	2.82	0.733	0.143	0.566	0.828	0.717	---	---	1917
1918	---	---	---	18.7	3.21	0.440	0.007	0.021	0.021	0.264	0.321	0.183	---	1918
1919	0.044	0.078	0.078	1.83	0.578	0.122	0	0	0	0	0	0	0.322	1919
1920	0	0	0.248	4.89	5.77	1.01	0.288	0.001	0	0.018	---	---	1.82	1920
1921	---	---	0.848	5.24	2.13	0.465	0.340	0.008	0.024	0.142	---	---	1.14	1921
1922	---	---	0.850	14.5	7.80	1.18	0.372	0.138	0.105	0.135	---	---	3.11	1922
1923	---	---	0.280	2.85	0.722	1.56	1.67	0.578	0.095	0.145	---	---	0.882	1923
1924	---	---	0.017	2.83	0.721	0.551	0.218	0.013	0	0.024	---	---	0.552	1924
1925	---	---	4.86	12.8	1.47	0.877	0.102	0	0.038	0.284	---	---	2.52	1925
1926	---	---	---	1.78	0.277	0.065	0.242	0.003	0.013	0.033	---	---	---	1926
1927	---	---	0.414	18.0	15.2	7.40	1.85	0.682	0.588	0.815	---	---	5.71	1927
1928	---	---	5.77	10.8	1.78	1.75	1.28	0.485	0.375	0.741	---	---	2.85	1928
1929	---	---	0.480	4.84	3.31	1.67	0.428	0.004	0	0.284	---	---	1.38	1929
1930	---	---	4.77	7.85	1.11	0.412	0.230	0.022	0.018	0.338	---	---	1.83	1930
1931	---	---	0.532	0.586	0.038	0.001	0	0	0	0	---	---	0.142	1931
1932	---	---	0.883	2.46	1.03	0.784	0.154	0	0.008	0.217	---	---	0.686	1932
1933	---	---	0.851	3.08	2.24	0.368	0.259	0	0	0	---	---	0.842	1933
1934	---	---	2.82	2.31	0.185	0.351	0.018	0	0	0	---	---	0.706	1934
1935	---	---	2.84	4.70	1.62	0.268	0.284	0.001	0	0	0	0	1.17	1935
1936	0	0	0	8.57	0.621	0.027	0	0	0	0	0	0	0.888	1936
1937	0	0	0.071	2.24	0.022	0	0	0	0	0	---	---	0.268	1937
1938	---	---	1.24	1.43	0.656	0.763	0.287	0	0	0	---	---	0.548	1938
1939	---	---	4.36	0.248	0.071	0.884	0.274	0	0	0	---	---	0.708	1939
1940	---	---	0	10.6	1.08	0.463	0.038	0.176	0	0	---	---	1.52	1940
1941	---	---	5.79	0.368	0.315	0.484	0.610	0.001	0.027	0.023	---	---	0.885	1941
1942	---	---	0.288	0.629	0.247	2.10	1.12	0.380	0.137	0.237	---	---	0.838	1942
1943	---	---	5.37	3.37	0.788	0.852	0.133	0.157	0.007	0.084	---	---	1.32	1943
1944	---	---	0.732	0.431	0.255	0.138	0.872	0.817	0.187	0.044	---	---	0.447	1944
1945	---	---	2.25	0.628	0.381	0.407	0.178	0	0	0	---	---	0.471	1945
1946	---	---	1.82	0.825	0.244	0.218	0.128	0.100	0.001	0	---	---	0.406	1946
1947	---	---	1.02	0.884	0.780	0.288	0.088	0.173	0	0	---	---	0.403	1947
1948	---	---	0.131	1.85	0.641	0.403	0.207	0.131	0	0.020	---	---	0.457	1948
1949	---	---	0.018	0.130	0.270	0.301	0.098	0	0	0	---	---	0.102	1949
1950	---	---	0	4.74	0.088	0.035	0.015	0.051	0	0	---	---	0.801	1950
1951	---	---	0	2.05	3.53	0.711	0.353	0.103	0.537	0.451	---	---	0.985	1951
1952	---	---	0.037	43.2	4.21	0.711	0.420	0.125	0.218	0.208	---	---	6.03	1952
1953	---	---	0.383	0.620	3.15	5.80	1.15	0.688	0.253	0.384	---	---	1.84	1953
1954	---	---	0.598	4.42	1.58	1.81	0.578	0.985	0.886	1.03	---	---	1.49	1954
1955	---	---	0.883	18.5	11.7	2.70	7.06	1.05	0.882	1.01	---	---	5.56	1955
1956	---	---	1.68	2.57	1.70	0.781	0.870	0.843	0.441	0.432	---	---	1.18	1956
1957	---	---	0.487	3.31	2.80	0.743	0.820	0.316	0.193	0.455	---	---	1.08	1957
1958	---	---	2.67	4.84	0.867	0.588	0.508	0.159	0.001	0.085	---	---	1.16	1958
1959	---	---	1.74	0.888	1.27	0.533	0.785	0.081	0.020	0.389	---	---	0.883	1959
1960	---	---	3.88	1.30	1.04	0.480	0.487	0.217	0.010	0.005	---	---	0.914	1960
1961	---	---	1.26	0.188	0.277	0.333	0	0.088	0	0	---	---	0.284	1961
1962	---	---	0.838	0.828	0.332	0.241	0.133	0.002	0	0	---	---	0.284	1962
1963	---	---	0.188	1.06	0.208	0.228	0.478	0.002	0	0	---	---	0.268	1963
1964	---	---	0.028	0.883	1.32	0.303	0.138	0	0	0.045	---	---	0.316	1964
1965	---	---	0	4.15	2.78	2.51	1.87	0.432	0.888	0.488	---	---	1.60	1965
1966	---	---	3.27	3.02	0.820	0.888	0.415	0.415	0.217	0.360	---	---	1.17	1966
1967	---	---	1.23	8.04	14.8	2.14	0.388	0.288	0.172	0.334	---	---	3.18	1967
1968	---	---	0.885	0.883	0.728	0.888	0.518	0.272	0.243	0.484	---	---	0.884	1968
1969	---	---	0.201	8.18	0.980	0.338	0.281	0.231	0	0.084	---	---	1.02	1969
1970	---	---	0.237	1.24	4.43	1.26	0.828	0.308	0.022	0.177	---	---	1.07	1970
1971	---	---	0.281	2.43	1.53	0.784	0.384	0.313	0	0.178	---	---	0.728	1971
1972	---	---	1.74	0.780	0.648	2.33	0.352	0.420	0.022	0.287	---	---	0.813	1972
1973	---	---	0.748	0.587	0.381	0.248	0.034	0.341	0	0.023	---	---	0.281	1973
1974	---	---	0.783	1.42	1.72	0.888	0.282	0.382	0.042	0.180	---	---	0.720	1974
1975	---	---	0.032	2.78	3.15	3.25	0.842	1.43	0.233	0.821	---	---	1.53	1975
1976	---	---	3.85	1.88	0.654	1.14	0.217	0.288	0.009	0.183	---	---	1.00	1976
1977	---	---	0.452	0.284	0.282	0.210	0.002	0	0	0.008	---	---	0.167	1977
1978	---	---	0.030	3.60	0.610	1.14	0.288	0.008	0.351	0.175	---	---	0.788	1978
1979	---	---	3.88	2.78	2.14	0.708	0.372	0.212	0.084	0.177	---	---	1.31	1979
1980	---	---	0.308	0.588	0.438	0.388	0.188	0.131	0.001	0.181	---	---	0.277	1980
1981	---	---	0.411	0.123	0.772	0.471	0.288	0.037	0	0	---	---	0.288	1981
1982	---	---	0.081	3.34	0.872	2.30	0.838	0.188	0.083	0.480	---	---	1.04	1982
1983	---	---	0.880	0.431	0.881	0.788	0.850	0.180	0.002	0.287	---	---	0.488	1983
1984	---	---	0.524	0.348	0.042	0.138	0.020	0	0	0	---	---	0.133	1984
1985	---	---	0.182	0.783	1.57	0.884	0.284	0	0.132	0.388	---	---	0.488	1985
1986	---	---	5.23	0.887	0.470	0.878	0.388	0.112	8.40	1.63	---	---	2.34	1986
1987	---	---	2.32	1.87	1.24	0.842	0.184	0.388	0.107	0.334	---	---	0.872	1987
1988	---	---	0.808	0.872	0.244	0.231	0.015	0	0	0	---	---	0.220	1988
MEAN	0.011	0.020	1.34	4.28	1.98	0.888	0.508	0.204	0.238	0.221	0.208	0.041	1.18	MEAN

LOCATION - LAT 49 00 07 N DRAINAGE AREA, 2 580 km² INTERNATIONAL GAUGING STATION
LONG 109 28 18 W REGULATED

BATTLE CREEK AT INTERNATIONAL BOUNDARY - STATION NO. 11AB027

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1917	90.8 AT 09:00 MST ON APR 13	80.1 ON APR 13	---	---	1917
1918	---	70.8 B ON MAR 31	0 ON JUL 13 *	---	1918
1919	4.67 AT 12:00 MST ON APR 17	3.54 ON APR 17	0 ON JUL 3	8 820	1919
1920	26.1 AT 07:00 MST ON MAY 11	23.8 ON MAY 11	0 B ON MAR 1	32 200	1920
1921	19.5 AT 07:00 MST ON APR 17	17.3 ON APR 17	0 ON AUG 15	24 100	1921
1922	---	30.0 ON APR 25	0 B ON MAR 1	65 900	1922
1923	9.86 AT 08:00 MST ON JUN 25	8.01 ON APR 21	0.0283 ON MAR 1	20 800	1923
1924	---	7.62 B ON APR 11	0 B ON MAR 1	11 700	1924
1925	40.5 AT 23:00 MST ON APR 2	37.1 B ON APR 3	0 B ON MAR 1	53 400	1925
1926	---	---	0 ON JUL 28	---	1926
1927	85.9 ON APR 4	48.1 ON APR 4	0 B ON MAR 1	121 000	1927
1928	85.7 B AT 18:00 MST ON APR 3	56.6 B ON APR 3	0.212 ON AUG 23	80 400	1928
1929	21.6 AT 03:00 MST ON APR 26	18.6 ON APR 25	0 B ON MAR 1	29 200	1929
1930	30.3 B AT 13:00 MST ON APR 2	22.5 B ON APR 2	0 ON AUG 4	38 800	1930
1931	1.87 AT 07:30 MST ON APR 7	1.50 ON APR 7	0 ON JUN 5	3 000	1931
1932	11.6 AT 04:30 MST ON APR 6	10.2 ON APR 6	0 ON JUL 29	14 500	1932
1933	8.78 AT 07:00 MST ON APR 22	7.36 ON APR 22	0 B ON MAR 1	17 800	1933
1934	---	9.17 ON APR 9	0 ON JUL 15	14 900	1934
1935	25.8 AT 08:00 MST ON APR 21	20.2 ON APR 21	0 B ON MAR 1	24 700	1935
1936	76.7 AT 20:40 MST ON APR 12	52.1 ON APR 12	0 ON MAR 1	18 700	1936
1937	21.0 AT 22:00 MST ON APR 6	10.2 ON APR 6	0 ON MAR 1	6 080	1937
1938	22.7 AT 21:30 MST ON MAR 26	8.88 ON MAR 27	0 ON MAR 1	11 800	1938
1939	51.6 AT 22:00 MST ON MAR 22	26.6 ON MAR 22	0 B ON MAR 1	14 900	1939
1940	84.8 AT 07:00 MST ON APR 21	54.9 ON APR 21	0 ON MAR 1	32 100	1940
1941	48.7 B AT 23:00 MST ON MAR 21	37.1 B ON MAR 22	0 B ON MAR 1	20 900	1941
1942	17.6 AT 20:00 MST ON JUN 28	8.89 ON JUN 29	0 B ON MAR 1	13 500	1942
1943	81.3 B AT 22:00 MST ON MAR 28	56.6 B ON MAR 29	0 B ON MAR 1	28 000	1943
1944	24.3 AT 20:00 MST ON AUG 25	12.1 ON JUL 6	0 B ON MAR 1	9 480	1944
1945	11.3 AT 02:00 MST ON MAR 20	8.81 ON MAR 20	0 B ON MAR 1	8 980	1945
1946	12.4 AT 21:00 MST ON MAR 11	8.95 ON MAR 11	0 ON MAR 1	8 590	1946
1947	14.2 B ON MAR 28	9.06 B ON MAR 29	0 ON MAR 1	8 540	1947
1948	14.0 B AT 11:00 MST ON APR 14	7.93 B ON APR 14	0 ON MAR 1	8 880	1948
1949	1.12 AT 12:30 MST ON MAY 27	1.07 ON MAY 27	0 B ON MAR 1	2 150	1949
1950	41.8 AT 21:30 MST ON APR 12	24.5 ON APR 13	0 ON MAR 1	12 700	1950
1951	15.8 ON MAY 2	13.4 ON MAY 2	0 B ON MAR 1	30 400	1951
1952	158 AT 07:00 MST ON APR 15	158 ON APR 15 *	0 B ON MAR 1	126 000	1952
1953	27.0 AT 12:00 MST ON JUN 8	24.8 ON JUN 8	0.102 ON SEP 18	34 700	1953
1954	48.7 B AT 20:45 MST ON APR 5	22.5 B ON APR 6	0.147 ON JUL 18	31 500	1954
1955	84.4 AT 20:30 MST ON JUL 12	34.8 ON APR 23	0.2838 ON MAR 13	118 000	1955
1956	---	8.88 B ON MAR 27	0.1428 ON MAR 10	24 900	1956
1957	33.1 B AT 03:30 MST ON APR 1	18.5 B ON APR 1	0.023 ON SEP 8	33 000	1957
1958	28.8 B AT 04:30 MST ON APR 3	28.8 B ON APR 3	0 ON SEP 7	24 900	1958
1959	21.8 B AT 20:00 MST ON MAR 26	11.0 B ON MAR 26	0 B ON MAR 1	14 700	1959
1960	28.3 B AT 24:00 MST ON MAR 23	20.6 B ON MAR 24	0 B ON MAR 1	19 300	1960
1961	36.5 B AT 23:45 MST ON MAR 15	9.77 B ON MAR 16	0 ON JUL 3	8 880	1961
1962	18.3 B AT 22:00 MST ON MAR 26	8.21 B ON MAR 26	0 ON MAR 1	8 010	1962
1963	5.95 AT 02:00 MST ON JUL 8	2.88 ON JUL 8	0 ON MAY 31	8 880	1963
1964	8.31 AT 15:45 MST ON MAY 11	5.27 ON MAY 11	0 B ON MAR 1	8 880	1964
1965	21.8 AT 03:30 MST ON JUN 27	16.1 B ON APR 18	0 ON MAR 1	33 900	1965
1966	17.3 B AT 06:00 MST ON MAR 30	12.8 B ON MAR 29	0.042 ON AUG 19	24 800	1966
1967	85.6 AT 06:00 MST ON MAY 22	53.5 ON MAY 22	0 ON SEP 2	67 500	1967
1968	2.658 AT 22:15 MST ON MAR 13	1.98 B ON MAR 14	0.089 ON SEP 11	12 800	1968
1969	51.5 AT 02:45 MST ON APR 8	31.4 ON APR 7	0 A ON AUG 25	21 800	1969
1970	18.5 AT 18:00 MST ON MAY 9	18.2 ON MAY 9	0 B ON MAR 1	23 800	1970
1971	8.088 AT 14:20 CST ON APR 14	7.82 B ON APR 14	0 ON AUG 30	15 400	1971
1972	28.1 AT 02:00 MDT ON JUN 11	18.0 ON JUN 11	0 B ON MAR 1	17 200	1972
1973	2.85 AT 18:15 CST ON AUG 9	2.44 ON AUG 9	0 ON MAR 1	8 160	1973
1974	19.2 AT 11:45 CST ON MAY 21	13.3 B ON MAY 21	0.008 ON SEP 27	15 200	1974
1975	18.8 AT 18:33 CST ON AUG 24	10.8 ON JUN 20	0.0038 ON MAR 1	32 400	1975
1976	21.2 B AT 08:30 CST ON MAR 20	20.4 B ON MAR 20	0 ON SEP 23	21 200	1976
1977	4.08 AT 00:15 MST ON APR 12	2.82 ON APR 12	0 ON JUL 8	3 330	1977
1978	45.8 B AT 21:15 CST ON APR 6	18.0 B ON APR 6	0 ON AUG 12	16 700	1978
1979	17.8 B AT 23:00 CST ON MAR 23	14.8 B ON MAR 23	0 B ON MAR 1	27 800	1979
1980	3.788 AT 08:00 MST ON MAR 21	2.10 B ON MAR 21	0 B ON MAR 1	8 880	1980
1981	2.30 AT 10:00 CST ON MAY 19	2.05 ON MAY 19	0 ON AUG 22	8 810	1981
1982	52.8 AT 23:00 CST ON APR 13	22.8 ON APR 14	0 B ON MAR 1	21 800	1982
1983	3.84 AT 21:30 CST ON MAY 12	2.31 ON MAY 13	0 ON SEP 16	9 880	1983
1984	1.43 AT 12:30 CST ON MAR 31	0.993 ON MAR 31	0 ON MAY 23	2 820	1984
1985	10.8 AT 02:00 CST ON MAY 3	7.48 ON MAY 3	0 B ON MAR 1	10 800	1985
1986	277 AT 13:00 CST ON SEP 25 *	117 ON SEP 25	0.041 ON SEP 2	49 800	1986
1987	10.2 B AT 02:00 CST ON MAR 7	8.00 B ON MAR 7	0.001 ON JUL 17	18 800	1987
1988	3.42 AT 04:00 CST ON APR 8	2.88 ON APR 8	0 ON JUL 25	4 850	1988
				24 300	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)

B - ICE CONDITIONS

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1909	---	---	---	---	---	---	---	---	0.226	0.277	---	---	---	1909
1910	---	---	---	---	---	0.075	0.012	0.022	0.133	0.121	---	---	---	1910
1911	---	---	---	2.85	1.28	0.301	0.285	0.288	3.34	1.07	---	---	---	1911
1912	---	---	---	---	2.54	1.06	0.218	0.298	0.474	0.882	---	---	---	1912
1913	---	---	---	5.71	1.57	0.388	0.601	0.287	0.140	0.351	---	---	---	1913
1914	---	---	---	4.38	0.738	0.026	0.008	0	0.078	0.472	---	---	---	1914
1915	---	---	---	8.51	1.01	2.45	1.48	0.898	0.703	0.781	---	---	---	1915
1916	---	---	21.4	3.88	2.67	8.89	2.90	1.62	1.27	1.58	---	---	5.28	1916
1917	---	---	---	18.5	11.9	2.47	0.495	0.184	0.588	0.677	---	---	---	1917
1918	---	---	---	15.8	2.19	0.358	0.058	0.088	0.051	0.114	---	---	---	1918
1919	---	---	0.100	1.72	0.532	0.122	0.012	0	0	0.043	---	---	0.313	1919
1920	---	---	0.114	3.67	5.77	0.905	0.294	0.049	0.018	0.140	---	---	1.37	1920
1921	---	---	0.810	5.55	2.26	0.371	0.384	0.028	0.114	0.208	---	---	1.18	1921
1922	---	---	0.007	11.5	7.84	1.01	0.438	0.233	0.211	0.169	---	---	2.67	1922
1923	---	---	0.112	2.62	0.628	2.18	1.55	0.471	0.097	0.137	---	---	0.891	1923
1924	---	---	0	2.71	0.888	0.578	0.174	0.058	0	0.088	---	---	0.533	1924
1925	---	---	1.14	10.7	1.48	0.884	0.087	0.032	0.148	0.322	---	---	1.80	1925
1926	---	---	3.57	1.83	0.247	0.135	0.359	0	0.084	0.141	---	---	0.807	1926
1927	---	---	1.24	15.4	12.9	5.33	1.39	0.882	0.538	0.847	---	---	4.94	1927
1928	---	---	4.80	7.38	1.83	2.00	1.37	0.525	0.378	0.627	---	---	2.32	1928
1929	---	---	0.680	5.03	3.21	1.58	0.387	0.021	0.080	0.290	---	---	1.40	1929
1930	---	0.237	1.38	8.18	1.06	0.411	0.187	0.011	0.088	0.375	---	---	1.20	1930
1931	---	---	0.518	0.885	0.154	---	---	---	---	---	---	---	---	1931
1935	---	---	---	---	---	---	---	---	0	0	---	---	---	1935
1936	---	---	0.101	3.32	0.487	0.022	---	---	---	---	---	---	---	1936
MEAN	---	0.237	2.38	5.50	2.86	1.38	0.803	0.285	0.380	0.414	---	---	1.91	MEAN

LOCATION - LAT 48 11 15 N DRAINAGE AREA, 2 120 km²
LONG 109 33 20 W REGULATED

BATTLE CREEK AT NASH'S RANCH - STATION NO. 11AB010

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1909	---	---	---	---	1909
1910	---	---	0 ON JUL 15 *	---	1910
1911	---	18.0 ON SEP 6	---	---	1911
1912	---	---	---	---	1912
1913	---	20.1 ON APR 18	---	---	1913
1914	---	18.5 ON APR 18	0 ON JUL 8	---	1914
1915	---	27.8 ON APR 2	---	---	1915
1916	---	49.0 B ON MAR 14	1.08 ON SEP 28	112 000	1916
1917	---	68.9 B ON APR 12 *	---	---	1917
1918	---	52.1 B ON MAR 29	---	---	1918
1919	---	3.288 ON APR 16	0 ON JUL 14	8 830	1919
1920	---	19.8 ON MAY 10	0 B ON MAR 1	28 000	1920
1921	---	17.9 ON APR 15	0 ON AUG 30	25 000	1921
1922	---	32.0 B ON APR 24	0 B ON MAR 1	56 800	1922
1923	---	8.21 ON APR 20	0 B ON MAR 2	21 000	1923
1924	---	7.338 ON APR 7	0 B ON MAR 1	11 300	1924
1925	---	30.0 A ON APR 2	0 B ON MAR 1	36 200	1925
1926	---	8.64A ON MAR 23	0 ON AUG 5	17 100	1926
1927	---	45.8 ON APR 29	0 B ON MAR 1	105 000	1927
1928	---	36.5 B ON APR 2	0.1138 ON MAR 1	49 300	1928
1929	---	21.8 ON APR 25	0 ON AUG 22	29 800	1929
1930	---	18.2 ON APR 8	0 ON AUG 8	25 800	1930
1931	---	1.988 ON MAR 24	0.085 ON MAY 25	---	1931
1935	---	---	0 ON SEP 1	---	1935
1936	---	22.7 E ON APR 11	0 B ON MAR 1	---	1936
				40 500	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BATTLE CREEK AT RANGER STATION - STATION NO. 11AB001

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1951	---	---	---	3.04	1.75	0.681	0.238	0.182	0.285	0.387	---	---	---	1951
1952	---	---	0.182	6.58	1.16	0.445	0.631	0.423	0.195	0.212	---	---	1.08	1952
1953	---	---	0.253	1.70	4.13	3.85	0.784	0.433	0.356	0.382	---	---	1.48	1953
1954	---	---	0.422	1.18	1.24	0.827	0.369	0.356	0.469	0.787	---	---	0.719	1954
1955	---	---	0.308	4.85	8.02	1.51	2.07	0.673	0.580	0.638	---	---	2.06	1955
1956	---	---	0.453	1.89	1.22	0.800	0.677	0.348	0.312	0.310	---	---	0.867	1956
1957	---	---	0.393	4.03	1.88	0.800	0.229	0.182	0.198	0.260	---	---	0.957	1957
1958	---	---	0.308	2.08	0.388	0.203	0.138	0.048	0.118	0.189	---	---	0.427	1958
1959	---	---	0.318	2.17	0.712	0.498	0.244	0.134	0.187	0.312	---	---	0.583	1959
1960	---	---	1.12	1.04	1.24	0.460	0.172	0.143	0.092	0.098	---	---	0.644	1960
1961	---	---	0.304	0.262	0.383	0.118	0.038	0.015	0.058	0.093	---	---	0.158	1961
1962	---	---	0.248	1.31	0.304	0.185	0.124	0.028	0.052	0.088	---	---	0.291	1962
1963	---	---	1.05	0.804	0.308	0.334	0.817	0.042	0.048	0.080	---	---	0.408	1963
1964	---	---	---	---	2.05	0.812	0.238	0.082	0.287	0.182	---	---	---	1964
1965	---	---	---	---	1.81	1.87	0.863	0.288	0.781	0.478	---	---	---	1965
1966	---	---	---	---	---	0.846	0.440	0.475	0.448	0.321	---	---	---	1966
1967	---	---	0.244	0.838	8.91	1.23	0.488	0.278	0.333	0.302	---	---	1.31	1967
1968	---	---	0.838	0.819	0.842	0.753	0.506	0.214	0.338	0.373	---	---	0.588	1968
1969	---	---	0.200	2.37	0.808	0.257	0.179	0.088	0.080	0.234	---	---	0.482	1969
1970	---	---	0.232	0.805	4.97	0.878	0.488	0.188	0.178	0.188	---	---	1.01	1970
1971	---	---	0.228	3.17	0.814	1.05	0.247	0.087	0.138	0.217	---	---	0.738	1971
1972	---	---	1.89	0.837	0.871	0.287	0.182	0.084	0.118	0.187	---	---	0.478	1972
1973	---	---	0.204	0.881	0.881	0.538	0.110	0.088	0.088	0.141	---	---	0.281	1973
1974	---	---	0.184	1.46	1.28	0.838	0.288	0.172	0.147	0.188	---	---	0.828	1974
MEAN	---	---	0.488	1.80	1.78	0.788	0.431	0.207	0.244	0.288	---	---	0.748	MEAN

LOCATION - LAT 49 38 04 N LONG 109 55 21 W DRAINAGE AREA, 208 km² NATURAL FLOW

BATTLE CREEK AT RANGER STATION - STATION NO. 11AB001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1951	31.7 AT 03:00 MST ON APR 28	18.8 ON APR 27	---	---	1951
1952	45.0 AT 02:30 MST ON APR 19	30.3 ON APR 18	0.102 ON SEP 26	22 800	1952
1953	42.2 AT 22:45 MST ON JUN 3	23.4 ON JUN 3	0.0878 ON MAR 1	31 400	1953
1954	11.8 B AT 04:00 MST ON APR 17	7.42 B ON APR 17	0.102 ON AUG 9	15 200	1954
1955	30.0 AT 05:00 MST ON MAY 2	23.0 ON MAY 2	0.2838 ON MAR 1	44 000	1955
1956	---	4.25 B ON APR 18	0.227 ON AUG 24	14 600	1956
1957	38.0 AT 04:00 MST ON APR 30	20.0 ON APR 30	0.113 ON AUG 1	20 200	1957
1958	8.748 AT 03:00 MST ON APR 8	6.66 B ON APR 8	0.031 ON AUG 18	8 030	1958
1959	12.5 B AT 10:00 MST ON APR 13	7.42 B ON APR 13	0.076 ON SEP 7	11 800	1959
1960	11.6 B AT 08:05 MST ON MAR 28	7.25 B ON MAR 28	0.087 ON SEP 20	11 500	1960
1961	---	0.725 ON MAY 11	0.003 ON AUG 8 *	2 370	1961
1962	3.458 AT 08:00 MST ON APR 15	1.87 B ON APR 11	0.006 ON AUG 18	5 180	1962
1963	5.698 AT 04:15 MST ON MAR 28	4.76 B ON MAR 28	0.003 ON AUG 8	5 800	1963
1964	15.5 AT 20:00 MST ON MAY 7	9.83 ON MAY 7	---	---	1964
1965	---	27.1 B ON APR 25	---	---	1965
1966	---	---	---	---	1966
1967	80.5 AT 24:00 MST ON MAY 17 *	39.4 ON MAY 18 *	0.2048 ON MAR 25	27 700	1967
1968	2.68 AT 12:00 MST ON JUN 24	2.01 ON JUN 24	0.136 ON AUG 27	12 400	1968
1969	14.3 B AT 04:00 MST ON APR 7	11.1 ON APR 10	0.014 ON SEP 10	10 400	1969
1970	83.4 AT 01:20 MST ON MAY 8	38.8 ON MAY 8	0.108 ON SEP 8	21 300	1970
1971	28.2 AT 04:30 CST ON APR 17	16.3 ON APR 17	0.075 ON AUG 22	15 800	1971
1972	33.6 B AT 05:45 CST ON MAR 17	17.3 B ON MAR 17	0.015 ON AUG 11	10 100	1972
1973	3.58 AT 05:50 CST ON JUN 19	2.38 ON JUN 19	0.024 ON AUG 8	5 850	1973
1974	4.88 AT 04:50 CST ON MAY 28	4.18 ON MAY 28	0.1388 ON MAR 1	11 100	1974
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		15 700	MEAN

BATTLE CREEK AT WILSON'S RANCH - STATION NO. 11AB011

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1910	---	---	---	---	---	---	0.092	0.082	0.227	0.385	---	---	---	1910
1911	---	---	---	---	1.46	0.842	0.526	0.434	3.00	1.23	---	---	---	1911
MEAN	---	---	---	---	1.46	0.842	0.309	0.258	1.61	0.743	---	---	---	MEAN

LOCATION - LAT 49 26 30 N LONG 109 40 00 W DRAINAGE AREA, 883 km² REGULATED

BATTLE CREEK BELOW DIVERSION CANAL - STATION NO. 11AB015

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1912	---	---	---	---	7.04	0.880	0.412	0.402	0.537	0.774	---	---	---	1912
1913	---	---	---	---	1.88	0.888	0.890	0.382	0.185	0.284	---	---	---	1913
1914	---	---	---	---	0.882	0.184	0.018	0.033	0.368	0.880	---	---	---	1914
1915	---	---	---	4.80	1.18	3.88	2.11	0.888	0.808	1.04	---	---	---	1915
1916	---	---	---	2.21	3.28	7.45	2.38	1.50	1.28	1.82	---	---	---	1916
1917	---	---	---	---	11.4	3.04	0.898	0.308	0.578	0.780	---	---	---	1917
1922	---	---	---	---	---	---	0.477	0.278	0.252	---	---	---	---	1922
1923	---	---	---	---	---	2.05	1.05	0.458	0.184	0.238	---	---	---	1923
1924	---	---	---	---	0.878	0.717	0.198	0.084	0.052	0.138	---	---	---	1924
1925	---	---	---	---	---	0.748	0.134	0.105	0.172	0.454	---	---	---	1925
1926	---	---	---	2.24	0.340	0.237	0.288	0.020	0.118	0.178	---	---	---	1926
1928	---	---	---	---	---	---	---	0.580	---	---	---	---	---	1928
1929	---	---	---	---	---	---	0.403	0.088	0.182	---	---	---	---	1929
1930	---	---	---	---	1.38	0.843	0.236	0.080	---	---	---	---	---	1930
1939	---	---	0.487	0.133	0.390	0.708	0.224	0.008	0.001	0.018	---	---	---	1939
MEAN	---	---	0.487	2.30	2.84	1.74	0.852	0.252	0.268	0.551	---	---	---	MEAN

LOCATION - LAT 49 26 11 N
LONG 109 35 10 W
DRAINAGE AREA, 784 km²
REGULATED

BATTLE CREEK BELOW DIVERSION CANAL - STATION NO. 11AB015

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1912	---	---	---	---	1912
1913	---	---	---	---	1913
1914	---	---	0 ON JUL 21 *	---	1914
1915	---	---	---	---	1915
1916	---	20.8 ON JUN 1 *	---	---	1916
1917	---	---	---	---	1917
1922	---	---	---	---	1922
1923	---	---	---	---	1923
1924	---	---	---	---	1924
1925	---	---	---	---	1925
1926	---	14.2 E ON APR 12	0 ON AUG 7	---	1926
1928	---	---	---	---	1928
1929	---	---	---	---	1929
1930	---	---	---	---	1930
1939	---	2.808 ON MAR 27	0 ON AUG 18	---	1939
	B - ICE CONDITIONS E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

BATTLE CREEK BELOW GAFF DITCH - STATION NO. 11AB112

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1972	---	---	---	---	---	0.887	0.369	0.213	0.158	0.382	---	---	---	1972
1973	---	---	---	0.887	0.371	0.544	0.158	0.085	0.087	0.178	---	---	---	1973
1974	---	---	---	---	2.12	0.548	0.280	0.193	0.138	0.224	---	---	---	1974
1975	---	---	---	---	---	2.22	0.814	0.818	0.527	0.888	---	---	---	1975
1976	---	---	---	---	0.395	0.758	0.332	0.270	0.141	0.248	---	---	---	1976
MEAN	---	---	---	0.887	0.928	0.888	0.387	0.275	0.211	0.318	---	---	---	MEAN

LOCATION - LAT 49 24 43 N
LONG 109 44 36 W
DRAINAGE AREA, 603 km²
REGULATED

BATTLE CREEK BELOW GAFF DITCH - STATION NO. 11AB112

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1972	---	---	---	---	1972
1973	2.87 AT 08:00 CST ON JUN 20	2.78 ON JUN 20	---	---	1973
1974	7.88 AT 02:10 CST ON MAY 27	6.87 ON MAY 28	0.084 ON AUG 5 *	---	1974
1975	22.4 AT 15:45 CST ON MAY 8 *	20.4 ON MAY 8 *	---	---	1975
1976	11.4 E AT 08:00 CST ON APR 7	8.72E ON APR 7	0.105 ON SEP 6	---	1976
	E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

BATTLE CREEK BELOW NASHLYN PROJECT - STATION NO. 11AB101

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1964	---	---	---	---	---	0.303	0.141	0.001	0.088	0.129	---	---	---	1964
1965	---	---	---	---	2.53	2.38	1.59	0.415	0.708	0.523	---	---	---	1965
1966	---	---	---	---	0.870	0.737	0.408	0.402	0.245	0.470	---	---	---	1966
1967	---	---	---	---	---	1.90	0.442	0.310	0.203	0.385	---	---	---	1967
1968	---	---	---	---	0.745	0.853	0.610	0.290	0.255	0.455	---	---	---	1968
1969	---	---	---	---	0.829	0.385	0.304	0.305	0	0.183	---	---	---	1969
1970	---	---	---	---	4.37	1.31	0.801	0.283	0.081	0.242	---	---	---	1970
1971	---	---	---	---	1.48	0.847	0.353	0.245	0.014	0.232	---	---	---	1971
1972	---	---	---	0.882	0.788	2.54	0.450	0.427	0.089	0.292	---	---	0.748	1972
1973	---	---	---	0.512	0.415	0.284	0.086	0.482	0.001	0.084	---	---	0.259	1973
1974	---	---	---	---	1.30	1.30	0.422	0.451	0.088	0.218	---	---	---	1974
1975	---	---	---	---	2.31	2.27	1.00	1.13	0.224	0.713	---	---	---	1975
1976	---	---	---	---	0.638	0.751	0.299	0.322	0.034	0.194	---	---	---	1976
1977	---	---	---	0.288	0.234	0.158	0.036	0.040	0	0.102	---	---	0.118	1977
1978	---	---	---	1.58	0.635	1.20	0.324	0.078	0.288	0.288	---	---	0.807	1978
1979	---	---	---	---	1.03	0.781	0.582	0.270	0.128	0.230	---	---	---	1979
1980	---	---	---	---	0.602	0.448	0.248	0.170	0.021	0.241	---	---	---	1980
1981	---	---	---	0.111	0.737	0.525	0.403	0.051	0	0.018	---	---	0.284	1981
1982	---	---	---	---	0.582	2.09	0.892	0.201	0.131	0.420	---	---	---	1982
1983	---	---	---	0.358	0.548	0.847	0.852	0.196	0.088	0.300	---	---	0.434	1983
1984	---	---	---	0.278	0.126	0.222	0.036	0	0	0.043	---	---	0.100	1984
1985	---	---	---	0.848	1.82	0.772	0.480	0.002	0.238	0.434	---	---	0.595	1985
1986	---	---	---	0.887	0.438	1.08	0.448	0.192	3.85	1.20	---	---	1.13	1986
1987	---	---	---	1.78	1.14	0.534	0.288	0.481	0.188	0.481	---	---	0.892	1987
1988	---	---	---	0.589	0.388	0.380	0.071	0	0	0.118	---	---	0.201	1988
MEAN	---	---	---	0.879	1.08	1.02	0.457	0.288	0.381	0.318	---	---	0.487	MEAN

LOCATION - LAT 49 09 52 N, LONG 109 27 52 W DRAINAGE AREA, 2 210 km² REGULATED

BATTLE CREEK BELOW NASHLYN PROJECT - STATION NO. 11AB101

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1964	---	---	0 ON AUG 4 *	---	1964
1965	---	---	---	---	1965
1966	---	---	---	---	1966
1967	---	---	---	---	1967
1968	---	---	---	---	1968
1969	---	---	---	---	1969
1970	---	---	---	---	1970
1971	---	---	0 ON AUG 28	---	1971
1972	35.1 AT 14:10 CST ON JUN 10	27.4 ON JUN 10	---	13 800	1972
1973	---	---	0 ON SEP 12	---	1973
1974	3.81 AT 05:06 CST ON JUN 28	3.62 ON JUN 28	0.012 ON APR 19	---	1974
1975	9.23 AT 15:16 CST ON MAY 7	8.44 ON JUN 21	0.102 ON SEP 17	---	1975
1976	---	---	0.016 ON SEP 18	---	1976
1977	6.12 AT 08:35 CST ON APR 11	2.858 ON APR 11	0 ON JUL 8	2 210	1977
1978	---	5.808 ON APR 6	---	11 200	1978
1979	---	---	---	---	1979
1980	---	---	0 ON SEP 5	---	1980
1981	---	---	0 ON AUG 18	---	1981
1982	5.44 AT 18:57 CST ON JUN 5	5.05 ON JUN 6	---	---	1982
1983	2.33 AT 01:23 CST ON MAY 12	1.86 ON MAY 12	0.005 ON SEP 18	7 850	1983
1984	---	---	0 ON JUL 19	---	1984
1985	12.1 AT 12:58 CST ON MAY 2	10.4 ON MAY 2	---	11 000	1985
1986	46.1 A AT 10:44 CST ON SEP 26 *	40.6 A ON SEP 26 *	---	20 800	1986
1987	---	---	0.033 ON JUL 9	---	1987
1988	3.80 AT 05:18 CST ON APR 7	2.88 ON APR 7	0 ON JUL 25	3 720	1988
				10 100	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

BATTLE CREEK BELOW WILKES' RANCH - STATION NO. 11AB073

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1928	---	---	---	---	---	---	---	0.887	---	---	---	---	---	1928
1929	---	---	---	---	---	---	0.378	0.075	0.177	---	---	---	---	1929
1930	---	---	---	---	1.31	0.882	0.234	0.057	---	---	---	---	---	1930
MEAN	---	---	---	---	1.31	0.882	0.307	0.233	0.177	---	---	---	---	MEAN

LOCATION - LAT 49 28 00 N, LONG 109 36 00 W DRAINAGE AREA, 787 km² REGULATED

BATTLE CREEK BELOW WILSON'S WEIR - STATION NO. 11AB118

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1980	---	---	---	---	---	---	---	0.105	---	---	---	---	---	1980
1981	---	---	0.419	0.172	0.336	0.568	0.410	0.082	0.014	0.174	---	---	0.273	1981
1982	---	---	0.108	0.081	0.718	2.37	0.704	0.225	0.213	0.498	---	---	0.813	1982
1983	---	---	0.781	0.898	0.370	0.590	0.526	0.295	0.205	0.434	---	---	0.484	1983
1984	---	---	0.433	0.307	0.207	0.298	0.060	0.012	0.104	0.228	---	---	0.208	1984
1985	---	---	0.295	1.84	2.13	0.743	0.134	0.126	0.371	0.488	---	---	0.738	1985
1986	---	---	0.422	0.247	0.010	0.188	0.348	0.280	0.487	0.425	---	---	0.301	1986
1987	---	---	0.015	0.121	0.705	0.384	0.301	0.290	0.263	0.481	---	---	0.313	1987
1988	---	---	0.615	0.857	0.245	0.172	0.109	0.022	0.088	0.170	---	---	0.281	1988
MEAN	---	---	0.384	0.518	0.691	0.882	0.324	0.186	0.215	0.388	---	---	0.401	MEAN

LOCATION - LAT 49 27 01 N DRAINAGE AREA, 881 km²
LONG 109 38 39 W REGULATED

BATTLE CREEK BELOW WILSON'S WEIR - STATION NO. 11AB118

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1980	---	---	---	---	1980
1981	2.43 AT 05:13 CST ON JUN 18	1.65 ON JUN 18	0.004 ON MAY 28	5 770	1981
1982	5.36 AT 11:30 CST ON JUN 4	4.81 ON JUN 5	0.0078 ON MAR 26	13 000	1982
1983	2.938 AT 02:26 CST ON MAR 14	1.94 B ON MAR 14	0.007 ON MAY 23	10 300	1983
1984	1.118 AT 14:25 CST ON MAR 22	0.8788 ON MAR 25	0.003 ON AUG 30	4 380	1984
1985	15.7 AT 01:25 CST ON MAY 1 *	10.8 ON APR 30 *	0.058 ON AUG 9	15 800	1985
1986	---	1.83 ON SEP 25	0.001 ON OCT 13	6 370	1986
1987	---	1.48 ON MAY 28	0.001 ON AUG 6	6 630	1987
1988	4.408 AT 08:45 CST ON APR 5	3.15 B ON APR 5	0 ON AUG 15 *	5 950	1988
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		8 500	MEAN

BATTLE CREEK NEAR CONSUL - STATION NO. 11AB086

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1963	---	---	---	---	0.251	0.323	0.634	---	---	---	---	---	---	1963
1964	---	---	---	---	1.50	0.483	0.186	0.001	0.180	0.206	---	---	---	1964
1965	---	---	---	---	2.37	1.55	1.50	0.453	0.684	0.588	---	---	---	1965
1966	---	---	---	---	0.949	0.896	0.511	0.486	0.251	0.456	---	---	---	1966
1967	---	---	---	---	14.7	1.87	0.582	0.363	0.288	0.414	---	---	---	1967
1968	---	---	---	---	0.911	0.887	0.760	0.281	0.303	0.457	---	---	---	1968
1969	---	---	---	---	1.02	0.472	0.452	0.277	0.001	0.271	---	---	---	1969
1970	---	---	---	---	4.95	1.28	0.930	0.277	0.118	0.241	---	---	---	1970
1971	---	---	---	---	1.94	0.802	0.882	0.295	0.058	0.288	---	---	---	1971
1972	---	---	---	0.948	0.998	2.88	0.555	0.349	0.081	0.307	---	---	0.839	1972
1973	---	---	---	---	0.487	0.219	0.265	0.472	0.035	0.157	---	---	---	1973
1974	---	---	---	---	1.69	1.35	0.504	0.268	0.112	0.197	---	---	---	1974
1975	---	---	---	---	3.04	3.44	0.888	0.830	0.140	0.713	---	---	---	1975
1976	---	---	---	---	1.11	0.621	0.548	0.328	0.050	0.282	---	---	---	1976
1977	---	---	---	0.804	0.871	0.268	0.352	0.040	0.021	0.135	---	---	0.288	1977
1978	---	---	---	1.35	0.591	1.26	0.328	0.135	0.270	0.288	---	---	0.802	1978
1979	---	---	---	---	2.39	0.819	0.850	0.131	0.141	0.288	---	---	---	1979
1980	---	---	0.091	0.841	0.851	0.262	0.528	0.178	0.103	0.278	---	---	0.448	1980
1981	---	---	---	0.316	1.00	0.329	0.318	0.043	0	0.041	---	---	0.284	1981
1982	---	---	---	---	0.982	2.37	0.851	0.244	0.181	0.582	---	---	---	1982
1983	---	---	---	0.859	0.742	0.838	0.748	0.282	0.107	0.331	---	---	0.583	1983
1984	---	---	---	0.518	0.388	0.283	0.051	0	0	0.132	---	---	0.192	1984
1985	---	---	---	1.57	1.94	0.812	0.432	0.048	0.270	0.400	---	---	0.784	1985
1986	---	---	---	0.484	0.802	1.21	0.502	0.198	1.88	0.902	---	---	0.832	1986
1987	---	---	---	1.41	1.36	0.809	0.233	0.409	0.183	0.383	---	---	0.654	1987
1988	---	---	---	1.07	0.827	0.238	0.088	0	0.073	0.188	---	---	0.321	1988
MEAN	---	---	0.091	0.913	1.84	1.02	0.540	0.282	0.235	0.338	---	---	0.832	MEAN

LOCATION - LAT 49 17 12 N DRAINAGE AREA, 1 850 km²
LONG 109 31 22 W REGULATED

BATTLE CREEK NEAR CONSUL - STATION NO. 11AB006

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1963	---	---	---	---	1963
1964	---	---	---	---	1964
1965	---	---	---	---	1965
1966	---	---	---	---	1966
1967	88.8 A AT 07:00 MST ON MAY 20 *	88.0 A ON MAY 20 *	---	---	1967
1968	---	---	---	---	1968
1969	---	---	---	---	1969
1970	---	---	---	---	1970
1971	---	---	---	---	1971
1972	59.5 AT 12:15 CST ON JUN 8	33.1 ON JUN 9	---	15 500	1972
1973	---	---	---	---	1973
1974	4.16 AT 02:00 CST ON MAY 14	3.99 ON MAY 13	0.085 ON SEP 28	---	1974
1975	8.50 AT 08:10 CST ON JUN 20	8.16 ON JUN 20	0.031 ON SEP 7	---	1975
1976	---	---	0.021 ON SEP 15	---	1976
1977	5.55 AT 10:12 CST ON APR 10	3.46 ON APR 10	---	5 470	1977
1978	5.758 AT 08:20 CST ON APR 8	3.888 ON APR 8	---	11 100	1978
1979	---	---	---	---	1979
1980	3.36 AT 19:46 CST ON MAY 25	2.91 ON MAY 25	0.053 ON SEP 1	8 280	1980
1981	---	---	0 ON SEP 1 *	---	1981
1982	5.85 AT 23:22 CST ON JUN 4	5.55 ON JUN 5	---	---	1982
1983	4.168 AT 15:58 CST ON APR 4	2.818 ON APR 4	0.036 ON SEP 10	10 800	1983
1984	---	---	0 ON JUL 27	---	1984
1985	13.9 AT 20:36 CST ON MAY 1	11.5 ON MAY 1	---	14 700	1985
1986	26.1 A AT 12:35 CST ON SEP 26	23.5 A ON SEP 26	---	15 400	1986
1987	---	---	0.080 ON JUL 3	---	1987
1988	4.13 AT 01:00 CST ON APR 7	3.708 ON APR 8	0 ON AUG 6	5 930	1988
				10 900	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

BATTLE RIVER AT BATTLEFORD - STATION NO. 05FF001

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1912	---	---	---	---	17.0	15.9	32.4	44.2	33.4	20.6	---	---	---	1912
1913	1.82	1.84	2.13	90.0	26.0	12.7	14.8	12.9	13.3	10.3	5.50	2.67	22.6	1913
1914	0.821	0.596	0.632	12.6	40.4	43.9	58.5	16.5	11.2	14.4	8.17	4.85	24.5	1914
1915	3.84	2.04	4.26	37.7	14.1	26.6	55.8	50.7	20.0	13.0	8.38	2.80	27.6	1915
1916	1.31	0.880	0.639	27.0	28.8	39.6	46.2	36.7	55.0	42.4	20.1	---	34.5	1916
1917	4.01	3.23	2.57	66.7	83.7	56.5	21.6	10.5	8.38	8.08	4.62	1.34	32.0	1917
1918	0.234	0.233	1.05	30.6	12.6	8.02	4.60	2.80	1.80	2.18	1.49	0.808	8.04	1918
1919	0.310	0.388	0.296	14.3	16.4	8.54	3.40	2.86	2.13	1.33	---	---	5.48	1919
1920	0.184	0	0	40.6	90.7	55.6	22.7	7.22	4.91	3.86	4.22	0.729	28.4	1920
1921	0.406	0.327	0.117	66.3	29.0	10.2	5.70	3.80	3.63	3.53	---	---	17.6	1921
1922	---	---	---	21.1	9.88	5.56	2.68	2.01	1.81	1.78	---	---	---	1922
1923	---	---	---	6.18	5.75	7.05	5.70	5.86	4.19	3.42	---	---	---	1923
1924	---	---	0.053	4.86	13.9	8.71	4.35	2.18	2.22	2.26	---	---	4.63	1924
1925	---	---	0.037	46.3	31.5	9.70	4.80	3.30	2.67	3.82	---	---	12.7	1925
1926	---	---	0.892	40.6	21.0	8.34	5.75	6.71	6.61	13.2	---	---	13.2	1926
1927	---	---	---	42.2	104	46.9	34.6	31.7	12.6	9.32	---	---	---	1927
1928	---	---	---	40.4	30.2	14.0	11.7	6.85	5.13	3.96	---	---	---	1928
1929	---	---	1.75	10.8	11.2	6.86	2.92	1.43	1.07	0.847	---	---	4.52	1929
1930	---	---	1.20	5.38	3.85	3.31	4.58	1.77	1.11	2.43	---	---	2.88	1930
1931	---	---	0.380	9.58	4.39	3.64	3.95	3.02	3.37	3.14	---	---	3.81	1931
1932	---	---	---	---	18.2	10.3	5.77	2.84	2.37	1.76	---	---	---	1932
1935	---	---	---	---	---	---	---	---	2.37	2.72	---	---	---	1935
1936	---	---	---	---	60.2	16.2	---	---	---	---	---	---	---	1936
1937	---	---	---	---	37.6	16.8	8.18	2.82	1.27	1.29	---	---	---	1937
1938	---	---	30.3	12.6	5.35	2.82	1.96	1.86	2.21	6.86	---	---	6.04	1938
1939	---	---	0.593	86.2	33.4	10.6	6.34	3.06	2.86	3.14	---	---	18.1	1939
1970	---	---	1.10	57.3	31.7	13.4	27.5	9.85	4.84	3.78	---	---	19.8	1970
1971	---	---	1.48	72.3	50.5	16.8	12.2	10.4	5.06	3.73	---	---	21.5	1971
1972	---	---	3.42	42.3	22.3	11.9	7.52	5.80	3.57	3.37	---	---	12.4	1972
1973	---	---	4.48	26.2	18.5	18.5	21.2	27.7	15.8	8.77	---	---	17.8	1973
1974	---	---	2.00	97.8	280	67.5	31.2	20.2	11.2	8.19	---	---	67.3	1974
1975	---	---	1.81	15.8	40.0	20.0	14.4	5.85	3.85	2.72	---	---	13.2	1975
1976	---	---	2.05	40.6	11.7	11.5	6.67	2.76	1.68	1.59	---	---	9.71	1976
1977	---	---	0.952	5.42	8.82	6.34	3.58	1.19	0.869	1.37	---	---	3.68	1977
1978	---	---	0.840	13.7	8.68	5.44	2.94	1.87	5.71	5.75	---	---	5.55	1978
1979	---	---	5.26	46.8	24.0	12.0	5.71	4.87	2.58	2.05	---	---	13.2	1979
1980	---	---	0.418	28.7	18.8	8.88	9.38	8.78	7.70	11.2	---	---	10.6	1980
1981	---	---	8.84	26.0	11.1	7.83	3.88	3.85	11.0	6.23	---	---	9.08	1981
1982	---	---	1.83	8.31	46.3	18.7	20.3	28.2	10.1	7.49	---	---	17.3	1982
1983	---	---	2.80	28.1	20.8	8.74	51.0	17.0	8.80	3.88	---	---	17.3	1983
1984	---	---	4.28	17.7	7.41	7.18	4.08	1.84	1.20	3.25	---	---	6.82	1984
1985	---	---	1.88	88.0	41.8	11.4	4.41	2.78	2.85	2.16	---	---	18.3	1985
1986	---	---	15.4	36.7	13.7	13.4	8.60	13.4	6.87	6.83	---	---	14.6	1986
1987	---	---	1.81	62.4	17.2	8.82	4.28	4.89	8.08	4.21	---	---	12.1	1987
1988	---	---	1.53	8.83	4.68	2.23	4.10	2.48	1.74	1.80	---	---	3.62	1988
MEAN	1.32	1.05	2.83	38.6	32.6	17.1	14.3	10.2	7.14	6.02	7.18	2.18	15.7	MEAN

LOCATION - LAT 53 44 07 N LONG 108 20 05 W DRAINAGE AREA, 30 000 km^2 REGULATED

REMARKS - PREVIOUS TO SEP 17 1975 DATA COLLECTED IN SE19-43-18-W3 AND NW25-43-17-W3

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1912	---	---	---	---	1912
1913	---	163 ON APR 7	0.7068 ON MAR 14	462 000	1913
1914	---	83.5 ON JUN 26	0.5668 ON MAR 18	518 000	1914
1915	---	78.0 ON JUL 22	1.70 B ON MAR 21	564 000	1915
1916	---	72.6 ON SEP 11	0.4258 ON MAR 19	731 000	1916
1917	---	210 B ON APR 22	2.36 B ON MAR 11	876 000	1917
1918	---	83.78 ON APR 8	0.4258 ON MAR 8	170 000	1918
1919	---	32.08 ON APR 17	0.1708 ON MAR 26	137 000	1919
1920	---	184 B ON APR 26	0 B ON MAR 1 *	823 000	1920
1921	---	326 B ON APR 19	0.0858 ON MAR 14	373 000	1921
1922	---	70.88 ON APR 14	---	---	1922
1923	---	18.6 ON JUN 28	0 B ON APR 1	---	1923
1924	---	24.98 ON APR 27	0 B ON MAR 1	102 000	1924
1925	---	79.0 ON APR 10	0 ON MAR 1	288 000	1925
1926	---	114 ON APR 22	0.7938 ON MAR 8	278 000	1926
1927	---	145 B ON APR 24	---	---	1927
1928	---	80.9 ON APR 26	---	---	1928
1929	---	22.08 ON APR 20	0.300 ON OCT 4	85 800	1929
1930	---	11.88 ON APR 9	0.8508 ON MAR 1	62 700	1930
1931	---	31.78 ON APR 9	0.2278 ON MAR 10	82 800	1931
1932	---	---	---	---	1932
1935	---	---	---	---	1935
1936	---	---	---	---	1936
1937	---	---	---	---	1937
1938	---	45.68 ON MAR 10	0.0718 ON MAR 1	170 000	1938
1939	---	247 ON APR 19	0.5368 ON MAR 12	382 000	1939
1970	---	192 ON APR 15	1.08 B ON MAR 1	418 000	1970
1971	---	154 ON APR 17	1.40 B ON MAR 1	484 000	1971
1972	---	93.48 ON APR 14	1.13 B ON MAR 1	284 000	1972
1973	---	85.5 ON JUN 24	0.8408 ON MAR 1	378 000	1973
1974	418 AT 08:20 CST ON MAY 8 *	411 ON MAY 8 *	1.77 B ON APR 8	1 430 000	1974
1975	---	85.08 ON APR 25	1.50 B ON MAR 1	278 000	1975
1976	---	118 B ON APR 9	1.30 B ON MAR 1	206 000	1976
1977	18.6 AT 22:30 CST ON MAY 26	18.4 ON MAY 27	0.501 ON AUG 24	77 800	1977
1978	---	24.08 ON APR 11	0.3998 ON MAR 12	118 000	1978
1979	147 B AT 08:13 CST ON APR 25	138 B ON APR 25	0.3168 ON MAR 18	278 000	1979
1980	---	74.18 ON APR 18	0.3808 ON MAR 27	235 000	1980
1981	---	35.3 ON APR 12	2.00 B ON MAR 1	182 000	1981
1982	58.6 AT 13:30 CST ON MAY 15	58.2 ON MAY 15	1.30 B ON MAR 16	388 000	1982
1983	83.2 AT 18:40 CST ON JUL 11	81.4 ON JUL 11	1.78 B ON MAR 1	387 000	1983
1984	31.38 AT 14:43 CST ON APR 8	28.78 ON APR 8	0.8378 ON OCT 30	123 000	1984
1985	172 AT 00:28 CST ON APR 15	154 ON APR 15	0.6388 ON MAR 8	409 000	1985
1986	---	81.08 ON APR 5	1.60 B ON MAR 1	309 000	1986
1987	---	116 B ON APR 11	1.32 B ON MAR 4	258 000	1987
1988	18.3 AT 17:49 CST ON APR 11	18.8 ON APR 18	0.3828 ON MAR 9	74 800	1988
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		333 000	MEAN

BATTLE RIVER NEAR UNWIN - STATION NO. 05PE001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1944	---	---	1.71	12.1	5.17	7.35	14.5	15.0	5.98	5.06	---	---	---	1944
1945	---	---	1.53	10.7	6.73	3.31	1.88	1.50	1.10	1.06	---	---	---	1945
1946	---	---	3.08	17.0	7.61	5.38	6.07	6.29	5.44	4.88	---	---	---	1946
1947	---	---	4.56	39.2	15.0	6.40	3.48	2.72	4.19	3.07	---	---	---	1947
1948	---	---	0.367	41.7	212	80.7	15.0	8.57	5.98	5.25	---	---	---	1948
1949	---	---	0.984	9.38	5.38	2.84	3.32	5.65	2.19	1.65	1.45	0.738	---	1949
1950	0.408	0.540	1.25	10.1	12.0	5.13	4.40	2.15	0.784	2.27	1.21	0.822	3.41	1950
1951	0.557	0.488	0.581	84.2	85.7	14.8	5.87	3.88	3.08	2.40	2.10	1.82	12.8	1951
1952	0.802	1.05	0.870	83.3	27.6	11.8	9.90	5.70	3.58	2.83	2.47	1.38	13.3	1952
1953	0.987	1.15	0.986	23.5	28.2	11.2	8.78	11.7	8.48	6.32	3.81	2.33	8.07	1953
1954	1.30	0.902	1.03	5.47	23.0	40.4	25.4	12.3	47.2	28.1	15.8	7.51	17.2	1954
1955	3.83	3.02	5.12	48.8	88.0	28.4	10.7	6.72	4.07	4.33	2.34	1.01	15.8	1955
1956	R 0.838	0.823	0.823	78.8	86.6	17.3	13.4	8.38	6.24	4.88	2.73	1.88	17.1	1956
1957	R 0.886	0.836	1.80	34.6	21.2	5.84	2.77	3.74	3.29	2.32	2.40	1.48	8.72	1957
1958	0.862	1.07	0.486	47.8	17.5	5.88	2.16	1.17	1.06	1.02	0.874	0.418	6.84	1958
1959	R.301	0.113	1.22	8.20	3.83	2.14	1.06	0.788	2.02	2.70	1.77	0.606	1.88	1959
1960	0.202	0.105	4.35	21.9	8.86	3.17	2.07	1.28	1.12	1.38	1.03	0.848	3.81	1960
1961	0.487	R.141	1.08	7.19	4.14	2.22	1.08	0.484	0.270R	0.418R	0.508R	0.180	1.81R	1961
1962	0.097	0.042	0.018R	15.2 R	7.82	5.48	13.7	3.89	1.53	0.847	0.782	1.05	4.31R	1962
1963	0.622	0.564	8.71	48.1	20.1	9.86	13.4	6.67	2.43	1.35 R	1.07 R	1.01 R	9.43R	1963
1964	1.06	0.916	1.02	4.74	8.43	2.82	1.24	0.778	1.74	1.16 R	0.868R	0.374R	1.80R	1964
1965	0.227R	R.178R	0.238	75.8	58.2	30.8	28.8	15.8	7.25	4.98	2.83	1.86 R	19.0 R	1965
1966	0.648R	0.776R	1.26	29.8	12.7	8.15	2.87	4.21	2.36	1.78	1.01	0.870	5.24R	1966
1967	0.722	0.577	0.490	3.54	33.8	10.1	3.78	1.83	0.778	0.778	0.815R	0.314R	4.84R	1967
1968	0.038R	0.012R	12.4	7.41	3.59	1.67	1.17	2.10	3.28	5.13	1.95	0.845	3.34R	1968
1969	0.703	0.722	0.848	73.7	28.5	7.90	4.27	2.16	2.31	2.28	1.33	0.848R	10.4 R	1969
1970	0.682R	0.824	0.852	58.0	25.3	8.82	26.5	8.84	3.17	2.75	2.48	1.40	11.5 R	1970
1971	0.877R	0.870R	1.02 R	56.8	44.3	12.6	10.1	5.87	4.20	2.97	2.00 R	0.862R	12.2 R	1971
1972	0.635	0.873	2.95	29.7	20.1	9.34	6.04	4.40	2.85	2.36	1.76 R	0.830	5.76R	1972
1973	0.487	0.532R	1.81 R	29.8	21.3	20.5	27.8	13.6	8.40	6.14	2.32	1.32 R	12.4 R	1973
1974	1.84	1.37 R	1.80 R	90.6	280	88.4	28.7	16.6	8.83	6.88	4.61	1.83 R	40.8 R	1974
1975	1.57	1.36	1.48	18.7	51.3	18.7	11.6	4.81	2.45	2.32	1.77 R	1.10 R	8.81R	1975
1976	0.883R	0.845	1.01	28.1 R	9.47R	8.73	4.38	1.46 R	0.913R	0.682R	0.482R	0.588R	4.71R	1976
1977	0.831R	0.847R	1.40 R	4.16	8.38	4.86	2.02	0.730R	0.774R	1.15 R	0.853	0.486	2.16R	1977
1978	0.486	0.868	0.915	15.0	7.46	4.08	3.07R	0.883R	5.81	4.25	2.15	1.20	3.81R	1978
1979	0.489	0.421	1.85	24.8	19.2	9.47	8.88	4.26	2.04	1.15	0.917	0.585	8.88	1979
MEAN	0.784R	0.745R	2.00 R	32.9 R	34.1 R	13.1	8.81R	5.85 R	4.83 R	3.80 R	2.23 R	1.32 R	9.25R	MEAN

LOCATION - LAT 52 58 25 N LONG 109 52 25 W DRAINAGE AREA, 25 900 km² NATURAL FLOW

R - REVISED SINCE JAN 01 1987

REMARKS - RECORDS FROM MAR 1945 - MAY 1956 OBTAINED 0.8 km DOWNSTREAM. STATION DISCONTINUED DEC 31 1978

BATTLE RIVER NEAR UNWIN - STATION NO. 05PE001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1944	---	39.4 ON AUG 7	---	---	1944
1945	---	14.8 B ON APR 3	---	---	1945
1946	---	28.3 ON APR 3	---	---	1946
1947	---	88.2 ON APR 10	---	---	1947
1948	---	282 ON MAY 7	---	---	1948
1949	---	32.6 ON AUG 1	---	---	1949
1950	---	30.0 ON APR 22	0.227B ON JAN 26	108 000	1950
1951	---	140 ON APR 13	0.398B ON MAR 13	407 000	1951
1952	---	238 ON APR 12	0.398B ON JAN 22	422 000	1952
1953	---	91.5 ON MAY 7	0.510B ON JAN 2	256 000	1953
1954	---	91.5 ON SEP 2	0.685B ON JAN 26	543 000	1954
1955	---	131 ON MAY 3	0.685B ON DEC 31	480 000	1955
1956	---	185 ON APR 20	0.482B ON MAR 21	540 000	1956
1957	---	48.2 B ON APR 8	0.227B ON FEB 22	212 000	1957
1958	---	98.3 ON APR 11	0.198B ON DEC 14	209 000	1958
1959	---	8.38 ON APR 8	0.028B ON FEB 18	58 800	1959
1960	---	28.2 ON APR 8	0.028B ON MAR 15	120 000	1960
1961	---	10.6 ON APR 18	0.057B ON FEB 13	47 700R	1961
1962	88.2 AT 08:30 CST ON JUL 20	84.6 ON JUL 20	0.008B ON MAR 24	133 000R	1962
1963	---	70.2 B ON APR 1	0.133B ON FEB 7	297 000R	1963
1964	---	11.7 ON MAY 12	0.274RB ON DEC 31	80 200R	1964
1965	---	185 ON APR 14	0.133RB ON JAN 7	901 000R	1965
1966	---	44.7 B ON APR 8	0.425B ON DEC 12	188 000R	1966
1967	---	58.4 A ON MAY 8	0.181RB ON DEC 31	153 000R	1967
1968	---	27.2 B ON MAR 9	0.003RB ON JAN 16 *	106 000R	1968
1969	---	210 ON APR 14	0.680B ON MAR 21	328 000R	1969
1970	---	121 ON APR 13	0.858RB ON JAN 21	382 000R	1970
1971	189 AT 11:53 CST ON APR 17	148 ON APR 17	0.726RB ON DEC 26	384 000R	1971
1972	---	90.7 A ON APR 16	0.300B ON DEC 17	213 000R	1972
1973	87.4 AT 08:13 CST ON JUN 25	58.6 ON JUN 21	0.317B ON JAN 21	381 000R	1973
1974	402 AT 13:07 CST ON MAY 3 *	402 ON MAY 3 *	1.29 B ON APR 4	1 290 000R	1974
1975	---	92.3 E ON APR 30	0.816RB ON DEC 27	300 000R	1975
1976	---	56.0 A ON APR 13	0.276RB ON NOV 26	149 000R	1976
1977	16.5 AT 15:56 CST ON MAY 21	16.1 ON MAY 21	0.334B ON NOV 23	58 200R	1977
1978	29.7 AT 23:57 CST ON APR 8	27.8 ON APR 11	0.362B ON JAN 16	123 000R	1978
1979	86.88 AT 02:00 CST ON APR 23	56.0 B ON APR 23	0.134B ON FEB 1	188 000	1979
				282 000R	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD R - REVISED SINCE JAN 01 1987

BEAR CREEK AT BERTRAM'S RANCH - STATION NO. 05HA005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1909	---	---	---	---	---	---	---	---	---	0.183	---	---	---	1909
1910	---	---	---	0.247	0.124	0.072	0.030	0.035	0.138	0.183	---	---	0.118	1910
1911	---	---	---	0.661	0.374	0.190	0.078	0.053	0.188	0.187	---	---	0.285	1911
1912	---	---	---	---	0.882	0.494	0.172	0.117	0.114	0.170	---	---	---	1912
1913	---	---	---	2.21	0.400	0.131	0.043	0.003	0.036	0.183	---	---	0.425	1913
1914	---	---	---	0.836	0.248	0.113	0.002	0	0.012	0.228	---	---	0.178	1914
MEAN	---	---	---	0.984	0.405	0.200	0.073	0.041	0.083	0.180	---	---	0.248	MEAN

LOCATION - LAT 49 51 50 N, LONG 109 08 40 W. DRAINAGE AREA, 95.8 km². NATURAL FLOW

BEAR CREEK AT BERTRAM'S RANCH - STATION NO. 05HA005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1909	---	---	---	---	1909
1910	---	0.430 ON APR 1	0.003 ON JUL 15	2 170	1910
1911	---	2.18 ON APR 10	0.008 ON JUL 15	4 800	1911
1912	---	---	---	---	1912
1913	---	7.25 ON APR 8 *	0 ON JUL 18 *	7 880	1913
1914	---	1.85 ON APR 6	0 ON JUL 14	3 240	1914
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		4 840	MEAN

BEAR CREEK NEAR PIAPOT - STATION NO. 05HA003

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1908	---	---	---	---	---	---	0.152	0.189	0.143	0.405	---	---	---	1908
1909	---	---	---	---	1.58	2.41	1.18	0.173	0.144	0.280	---	---	---	1909
1910	---	---	---	0.470	0.241	0.135	0.043	0.030	0.108	0.185	---	---	---	1910
1911	---	---	---	---	1.07	0.317	0.237	0.094	0.284	0.257	---	---	---	1911
1912	---	---	---	4.81	1.10	0.620	0.158	0.127	0.128	0.227	---	---	---	1912
1913	---	---	---	3.56	0.387	0.153	0.113	0.028	0.015	0.101	---	---	---	1913
1914	---	---	---	0.957	0.285	0.116	0.008	0	0.020	0.188	---	---	---	1914
1915	---	---	---	1.42	0.445	0.454	0.268	0.087	0.141	0.275	---	---	---	1915
1916	---	---	2.44	0.782	0.953	1.38	0.437	0.203	0.298	0.488	---	---	0.871	1916
1917	---	---	---	5.11	2.98	0.883	0.198	0.108	0.144	0.271	---	---	---	1917
1918	---	---	---	1.47	0.411	0.238	0.124	0.030	0.030	0.087	---	---	---	1918
1919	---	---	0.087	1.28	0.388	0.117	0.052	0.007	0.005	0.025	---	---	0.238	1919
1920	---	---	0.918	2.81	0.677	0.374	0.118	0.003	0	0.024	---	---	0.635	1920
1921	---	---	0.840	2.37	0.710	0.171	0.122	0.028	0.073	0.177	---	---	0.532	1921
1922	---	---	0.383	4.43	1.66	0.258	0.118	0.014	0.003	0.082	---	---	0.638	1922
1923	---	---	0.180	1.03	0.382	0.428	0.188	0.128	0.035	0.083	---	---	0.295	1923
1924	---	---	0.007	0.888	0.284	0.224	0.038	0.081	0.014	0.032	---	---	0.170	1924
1925	---	0.081	1.08	3.20	0.804	0.332	0.027	0.002	0.025	0.104	---	---	0.851	1925
1926	---	0.087	1.61	0.791	0.317	0.138	0.088	0	0.016	0.082	---	---	0.378	1926
1927	---	---	0.068	3.88	2.82	1.02	0.338	0.088	0.124	0.383	---	---	1.03	1927
1928	---	---	1.24	0.497	0.300	0.881	0.887	0.108	0.058	0.148	---	---	0.478	1928
1929	---	---	0.880	2.02	0.880	0.517	0.182	0.002	0.008	0.028	---	---	0.828	1929
1930	---	---	0.481	1.17	0.823	0.417	0.204	0.088	0.008	0.009	---	---	0.358	1930
1931	---	---	0.081	---	---	---	---	---	---	---	---	---	---	1931
1938	---	---	0.387	3.59	0.385	0.118	---	---	---	---	---	---	---	1938
1983	---	---	1.19	0.583	0.347	0.305	0.288	0.004	0	---	---	---	0.338	1983
1984	---	---	0.047	0.757	0.888	0.237	0.025	0.002	0.008	0.021	---	---	0.321	1984
1985	---	---	0.048	4.83	0.831	0.378	0.413	0.048	0.285	0.188	---	---	0.888	1985
1986	---	---	1.26	1.01	0.884	0.312	0.078	0.032	0.038	0.171	---	---	0.433	1986
1987	---	---	0.803	1.53	3.16	0.328	0.070	0.030	0.014	0.037	---	---	0.781	1987
1988	---	---	0.741	0.458	0.478	0.188	0.088	0.058	0.053	0.077	---	---	0.282	1988
1989	---	---	0.878	2.70	0.843	0.211	0.288	0.014	0	0.078	---	---	0.571	1989
1970	---	---	0.318	2.58	1.81	0.335	0.111	0.005	0	0.087	---	---	0.648	1970
1971	---	---	0.243	2.38	0.718	0.225	0.022	0.001	0	0.001	---	---	0.445	1971
1972	---	---	1.23	0.377	0.614	0.201	0.058	0	0.004	0.027	---	---	0.304	1972
1973	---	---	0.458	0.583	0.313	0.882	0.021	0.001	0.001	0.003	---	---	0.274	1973
1974	---	---	0.370	0.921	1.15	0.281	0.018	0.048	0.018	0.072	---	---	0.380	1974
1975	---	---	0.184	1.48	1.81	0.584	0.083	0.048	0.072	0.172	---	---	0.882	1975
1976	0.082	0.239	1.18	0.840	0.115	0.188	0.058	0.004	0	0	---	---	0.284	1976
1977	---	---	0.188	0.348	0.115	0.005	0.001	0	0	0.002	---	---	0.082	1977
1978	---	---	0.842	0.772	0.843	0.213	0.020	0.003	0.008	0.058	---	---	0.282	1978
1979	---	---	0.898	2.87	1.27	0.340	0.189	0.028	0.002	0.015	---	---	0.848	1979
1980	---	---	0.488	0.828	0.088	0.038	0.001	0.001	0	0.011	---	---	0.151	1980
1981	---	0.382	0.224	0.188	0.147	0.487	0.048	0.008	0	0	---	---	0.138	1981
1982	---	---	0.388	1.72	0.847	1.14	0.274	0.012	0.030	0.182	---	---	0.528	1982
1983	---	---	1.02	0.858	0.881	0.202	0.174	0.002	0	0.008	---	---	0.384	1983
1984	---	---	0.320	0.311	0.191	0.105	0.005	0	0	0.001	---	---	0.118	1984
1985	---	---	0.818	2.70	0.838	0.088	0.002	0	0.031	0.084	---	---	0.503	1985
1986	0.358	0.885	0.881	0.272	1.05	0.237	0.111	0.008	0.204	0.317	---	---	0.380	1986
1987	---	0.382	0.880	1.18	0.228	0.088	0.080	0.084	0.057	0.128	---	---	0.348	1987
1988	---	0.238	0.804	0.328	0.118	0.017	0.002	0	0	0	---	---	0.121	1988
MEAN	0.228	0.323	0.833	1.68	0.778	0.381	0.188	0.041	0.054	0.115	---	---	0.438	MEAN

LOCATION - LAT 49 53 55 N, LONG 109 08 20 W. DRAINAGE AREA, 283 km². REGULATED

REMARKS - GAUGE HAS BEEN LOCATED AT VARIOUS LOCATIONS IN VICINITY OF PRESENT SITE

BEAR CREEK NEAR PIAPOT - STATION NO. 05NA003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1908	---	---	---	---	1908
1909	---	---	---	---	1909
1910	---	---	---	---	1910
1911	---	---	---	---	1911
1912	---	---	---	---	1912
1913	---	---	---	---	1913
1914	---	4.50 S ON MAR 16	0 ON JUL 9 *	---	1914
1915	---	9.57 ON APR 4	---	---	1915
1916	---	11.6 ON MAR 12	0 E ON MAR 2	18 400	1916
1917	---	12.8 ON APR 23	---	---	1917
1918	---	10.2 ON MAR 26	---	---	1918
1919	---	3.31 S ON APR 2	0 ON JUL 21	4 980	1919
1920	---	10.9 ON APR 14	0 S ON MAR 1	13 400	1920
1921	---	13.1 ON APR 14	0 S ON MAR 7	11 300	1921
1922	28.6 ON APR 22 *	18.2 ON APR 22 *	0 ON AUG 26	17 800	1922
1923	---	3.11 S ON APR 16	0 ON SEP 14	8 240	1923
1924	---	4.36 S ON APR 7	0 S ON MAR 8	3 800	1924
1925	---	10.6 ON APR 5	0 S ON MAR 1	13 800	1925
1926	---	6.12 ON MAR 19	0 ON JUL 31	6 000	1926
1927	---	16.0 ON APR 26	0 S ON MAR 1	21 800	1927
1928	---	6.55 S ON MAR 21	0 S ON MAR 1	10 100	1928
1929	---	7.50 ON APR 22	0 ON JUL 26	11 200	1929
1930	---	3.77 ON APR 5	0 ON SEP 7	7 540	1930
1931	---	0.1478 ON MAR 23	0.0888 ON MAR 1	---	1931
1938	---	12.7 E ON APR 14	0 S ON MAR 1	---	1938
1983	5.14 AT 21:00 MST ON MAR 24	4.86 ON MAR 25	0 ON AUG 8	7 140	1983
1984	3.79 AT 10:00 MST ON MAY 8	3.34 ON MAY 8	0 S ON MAR 1	4 880	1984
1985	23.0 AT 07:00 MST ON APR 25	15.5 ON APR 25	0 S ON MAR 3	18 800	1985
1986	10.5 AT 01:00 MST ON MAR 31	5.94 ON MAR 30	0 ON JUL 31	8 170	1986
1987	17.4 AT 11:00 MST ON MAY 8	12.4 ON MAY 10	0 S ON MAR 7	15 900	1987
1988	---	1.36 S ON MAR 7	0.017 ON JUL 21	6 550	1988
1989	17.2 AT 07:50 MST ON APR 7	11.8 ON APR 7	0 S ON MAR 1	12 100	1989
1970	18.3 AT 10:05 MST ON APR 11	11.6 ON APR 11	0 ON AUG 15	13 700	1970
1971	7.02 AT 12:48 CST ON APR 16	5.52 ON APR 16	0 ON JUL 22	8 420	1971
1972	11.3 S AT 14:26 CST ON MAR 17	7.86 S ON MAR 17	0 S ON MAR 1	8 440	1972
1973	18.5 AT 09:16 CST ON JUN 15	12.2 ON JUN 15	0 ON AUG 2	5 800	1973
1974	4.53 S AT 05:00 CST ON MAR 25	3.94 ON MAY 25	0 S ON MAR 4	7 820	1974
1975	14.5 AT 06:33 CST ON MAY 7	11.2 ON MAY 7	0 S ON MAR 1	11 800	1975
1976	10.9 S AT 12:01 CST ON MAR 19	9.17 S ON MAR 19	0 S ON MAR 16	6 230	1976
1977	1.86 AT 15:40 CST ON APR 6	1.37 ON APR 6	0 ON JUN 21	1 730	1977
1978	2.33 S AT 13:58 CST ON MAR 30	2.14 S ON MAR 30	0.001 ON JUL 28	5 970	1978
1979	23.7 AT 07:17 CST ON APR 18	17.3 ON APR 18	0.001 ON AUG 30	13 700	1979
1980	3.84 S AT 22:05 CST ON MAR 28	3.12 S ON MAR 30	0 ON JUL 5	3 190	1980
1981	6.63 AT 08:10 CST ON JUN 15	5.18 ON JUN 15	0 ON AUG 23	2 880	1981
1982	12.0 AT 12:36 CST ON APR 14	8.83 ON APR 14	0 ON SEP 24	11 200	1982
1983	11.3 AT 13:50 CST ON MAR 31	7.83 ON MAR 31	0 ON AUG 8	6 330	1983
1984	0.826 AT 04:50 CST ON MAR 25	0.787 ON MAR 25	0 ON JUL 19	2 480	1984
1985	13.7 AT 13:36 CST ON APR 13	9.44 ON APR 13	0 ON JUL 31	10 800	1985
1986	---	3.84 ON MAY 12	0.001 ON SEP 2	7 420	1986
1987	7.44 AT 12:32 CST ON APR 1	5.08 ON APR 1	0.008 ON JUL 17	7 380	1987
1988	1.77 S AT 18:26 CST ON MAR 22	1.84 S ON MAR 22	0 ON JUL 18	2 570	1988
				9 230	MEAN

S - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BEAVER CREEK AT INTERNATIONAL BOUNDARY - STATION NO. 11AF005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO NOV IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1977	---	---	---	---	---	---	---	0.021	0.039	0.035	0.038	0.038	---	1977
1978	0.018	0.011	3.06	0.227	0.088	0.107	0.086	0.027	0.051	0.048	0.034	0.420	0.478	1978
1979	0.029	0.041	0.858	3.48	0.339	0.078	0.042	0.041	0.032	0.040	0.038	0.047	0.523	1979
1980	0.052	0.030	0.343	0.108	0.033	0.027	0.030	0.030	0.033	0.038	0.038	0.042	0.075	1980
1981	0.038	0.587	0.053	0.036	0.031	0.028	0.028	0.023	0.026	0.029	0.039	0.044	0.033	1981
1982	0.011	0.008	0.024	5.36	0.436	0.167	0.116	0.043	0.035	0.044	0.042	---	0.781	1982
1983	---	---	1.18	0.206	0.108	0.034	0.021	0.017	0.023	0.029	0.036	---	0.188	1983
1984	---	---	0.895	0.082	0.031	0.023	0.018	0.018	0.023	0.028	0.033	---	0.108	1984
1985	---	---	1.09	0.088	0.040	0.036	0.015	0.485	0.088	0.084	0.042	---	0.212	1985
1986	---	1.82	1.37	0.088	0.083	0.040	0.178	0.038	0.038	0.045	0.030	---	0.213	1986
1987	0.040	0.200	0.881	0.537	0.038	0.038	0.088	0.031	0.032	0.038	0.032	---	0.181	1987
1988	---	---	0.049	0.041	0.031	0.210	0.089	0.023	0.021	0.029	0.032	---	0.088	1988
MEAN	0.031	0.383	0.825	1.02	0.115	0.088	0.080	0.084	0.035	0.038	0.037	0.038	0.251	MEAN

LOCATION - LAT 48 59 58 N, LONG 108 02 08 W
DRAINAGE AREA, 387 km^2
NATURAL FLOW
INTERNATIONAL GAUGING STATION

BEAVER CREEK AT INTERNATIONAL BOUNDARY - STATION NO. 11AF005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO NOV FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1977	---	---	---	---	1977
1978	---	11.3 B ON MAR 22	0.021 ON AUG 11	8 880	1978
1979	32.6 B AT 05:15 CST ON APR 16	24.8 RB ON APR 16	0.026 ON SEP 30	12 400	1979
1980	2.808 AT 05:10 CST ON MAR 20	1.53 B ON MAR 20	0.0178 ON MAR 8	1 780	1980
1981	---	0.083 ON MAR 1	0.016 ON AUG 28	781	1981
1982	47.6 AT 23:42 CST ON APR 14 *	38.1 B ON APR 14 *	0.0218 ON MAR 23	18 800	1982
1983	11.0 B AT 11:00 CST ON MAR 30	5.83 B ON MAR 30	0.015 ON AUG 18	4 410	1983
1984	8.648 AT 03:43 CST ON MAR 21	5.05 B ON MAR 21	0.014 ON JUL 11	2 530	1984
1985	29.6 AT 08:44 CST ON AUG 2	7.22 ON AUG 2	0.013 ON JUL 10	5 030	1985
1986	---	5.52 B ON MAR 1	0.021 ON SEP 1	5 030	1986
1987	18.0 B AT 05:07 CST ON APR 1	9.11 B ON APR 1	0.023 ON JUN 18	3 590	1987
1988	14.9 AT 02:30 CST ON JUN 30	5.66 ON JUN 30	0.012 ON JUN 25 *	1 300	1988
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD R - REVISED SINCE JAN 01 1987		5 870	MEAN

BEAVER CREEK NEAR INTERNATIONAL BOUNDARY - STATION NO. 11AF004

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1949	---	---	---	---	0.054	0.038	0.012	0.020	0.026	0.059	---	---	---	1949
1950	---	---	0.005	3.21	0.193	0.288	0.043	0.149	0.041	0.057	---	---	---	1950
1951	---	---	0.015	5.74	0.519	0.081	0.048	0.037	0.085	0.068	---	---	---	1951
1952	---	---	0.045	12.0	0.074	0.045	0.043	0.043	0.035	0.050	---	---	---	1952
MEAN	---	---	0.022	5.98	0.210	0.105	0.037	0.062	0.042	0.059	---	---	---	MEAN

LOCATION - LAT 48 59 20 N, LONG 105 00 40 W DRAINAGE AREA, 458 km^2 REGULATED INTERNATIONAL GAUGING STATION

BEAVER RIVER BELOW WATERHEN RIVER - STATION NO. 05AG001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1971	44.7	40.7	43.0	88.1	219	124	182	147	83.8	53.7	39.3	32.2	88.8	1971
1972	17.0	15.4	20.0	80.7	149	77.4	48.7	33.8	35.0	36.4	27.8	11.8	44.4	1972
1973	11.2	13.7	18.1	40.8	92.2	133	183	124	145	135	141	72.4	91.8	1973
1974	44.6	44.3	88.7	182	848	387	207	138	123	112	75.4	50.1	182	1974
1975	34.8	28.8	32.8	87.4	190	182	173	143	110	84.2	84.7	35.0	82.3	1975
1976	33.8	38.8	38.8	84.8	82.7	43.2	70.8	72.8	83.8	48.1	34.8	18.2	50.4	1976
1977	18.8	18.8	17.4	38.1	81.8	68.8	42.8	48.8	41.2	42.4	31.8	18.8	37.2	1977
1978	14.2	18.0	20.8	84.0	138	133	78.4	48.3	82.3	81.1	27.1	18.7	85.8	1978
1979	12.8	10.3	18.1	30.8	180	123	88.7	87.2	87.4	48.4	28.0	23.4	85.8	1979
1980	18.0	13.4	15.2	87.8	83.8	28.8	20.8	38.8	88.3	88.8	48.2	24.7	37.2	1980
1981	27.0	24.2	28.8	81.4	88.1	33.3	38.8	28.8	18.8	13.8	8.78	8.88	28.8	1981
1982	4.87	3.83	3.47	28.8	74.2	42.1	38.8	38.1	28.8	32.0	28.1	18.4	27.8	1982
1983	13.0	12.4	17.3	48.1	81.8	27.7	30.0	32.8	22.8	28.8	21.7	17.1	28.8	1983
1984	11.0	11.8	14.1	48.1	81.1	114	81.3	32.0	28.8	27.8	20.3	17.3	37.0	1984
1985	12.7	10.8	18.8	84.8	180	118	47.0	35.0	30.8	27.1	15.0	10.3	48.8	1985
1986	11.8	8.87	12.1	58.8	88.1	88.8	80.8	108	81.0	48.3	38.1	28.2	48.2	1986
1987	22.4	22.2	23.3	78.3	80.8	44.1	28.4	28.8	27.8	27.1	18.4	14.8	34.8	1987
1988	8.88	7.74	11.8	38.8	41.8	28.3	48.1	88.4	74.4	88.3	38.8	28.7	38.8	1988
MEAN	20.0	18.8	22.1	82.8	127	88.0	78.0	87.4	88.8	81.8	38.8	23.8	88.8	MEAN

LOCATION - LAT 54 48 08 N, LONG 107 48 38 W DRAINAGE AREA, 48 000 km^2 NATURAL FLOW

BEAVER RIVER BELOW WATERHEN RIVER - STATION NO. 05AG001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1971	272 AT 14:00 CST ON MAY 12	271 ON MAY 12	17.5 B ON DEC 30	2 838 000	1971
1972	184 AT 17:22 CST ON MAY 18	183 ON MAY 18	8.548 ON DEC 25	1 400 000	1972
1973	288 AT 23:25 CST ON JUL 3	283 ON JUL 3	8.388 ON MAR 14	2 888 000	1973
1974	708 AT 18:13 CST ON MAY 10 *	688 ON MAY 8 *	40.8 B ON FEB 17	5 110 000	1974
1975	218 AT 15:32 CST ON MAY 11	211 ON MAY 8	21.7 B ON FEB 8	2 810 000	1975
1976	---	102 ON APR 14	11.8 B ON DEC 30	1 800 000	1976
1977	88.8 AT 04:88 CST ON MAY 31	87.7 ON MAY 31	14.0 B ON DEC 7	1 170 000	1977
1978	148 AT 10:24 CST ON JUN 18	148 ON JUN 18	8.878 ON NOV 20	1 780 000	1978
1979	173 B AT 18:04 CST ON MAY 4	185 ON MAY 8	8.838 ON FEB 21	1 780 000	1979
1980	112 AT 02:08 CST ON APR 22	110 ON APR 20	11.7 B ON FEB 20	1 180 000	1980
1981	77.0 AT 21:54 CST ON APR 17	74.1 ON APR 21	4.508 ON DEC 10	892 000	1981
1982	107 B AT 22:08 CST ON APR 28	101 B ON APR 28	3.048 ON MAR 8 *	881 000	1982
1983	80.48 AT 13:41 CST ON APR 18	78.3 ON MAY 2	8.368 ON MAR 1	848 000	1983
1984	---	122 ON JUN 11	8.128 ON MAR 8	1 170 000	1984
1985	198 AT 18:28 CST ON MAY 17	188 ON MAY 18	8.808 ON DEC 21	1 840 000	1985
1986	118 AT 13:48 CST ON AUG 7	118 ON AUG 7	8.238 ON FEB 28	1 438 000	1986
1987	128 AT 11:08 CST ON APR 23	127 ON APR 23	8.838 ON DEC 31	1 100 000	1987
1988	88.8 AT 22:22 CST ON SEP 7	88.0 ON SEP 7	8.898 ON JAN 1	1 128 000	1988
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		1 780 000	MEAN

BEAVER RIVER NEAR DORINTOSH - STATION NO. 05AD001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1933	---	---	---	---	115	82.1	48.2	38.4	20.4	---	---	---	---	1933
1934	---	---	---	---	87.8	36.4	99.8	30.7	14.3	14.6	---	---	---	1934
1935	---	---	---	---	111	53.2	38.0	63.6	37.6	27.0	---	---	---	1935
1936	---	---	---	---	127	60.2	28.5	13.2	13.0	18.1	---	---	---	1936
1937	---	---	---	---	27.7	13.2	8.30	6.58	6.85	8.86	---	---	---	1937
1938	---	---	---	---	36.4	8.01	3.84	2.88	2.81	2.18	---	---	---	1938
1939	---	---	---	---	32.8	19.1	18.2	7.78	3.37	3.39	---	---	---	1939
1940	---	---	---	---	18.7	13.8	10.2	8.81	6.82	2.84	---	---	---	1940
1980	---	---	---	140	88.1	118	118	---	---	---	---	---	---	1980
1981	---	---	---	87.7	102	47.8	37.0	51.8	24.3	---	---	---	---	1981
1982	---	---	---	81.2	87.7	328	178	127	86.7	44.2	31.3	---	---	1982
1983	---	---	8.33	114	184	84.2	28.4	15.3	10.3	8.86	---	---	---	1983
1984	---	---	2.85	18.4	37.3	17.0	8.17	14.4	21.2	24.7	---	---	---	1984
1985	---	---	6.82	42.5	107	172	100	28.8	38.8	26.8	---	---	---	1985
1986	---	---	3.80	57.2	43.5	88.3	22.7	18.9	25.6	13.5	---	---	---	1986
1987	---	---	4.48	7.88	89.2	28.0	13.0	11.6	8.25	4.38	---	---	---	1987
1988	---	---	2.87	15.5	12.2	8.42	5.34	8.87	8.26	23.5	---	---	---	1988
1989	---	---	3.74	87.8	81.8	38.9	18.0	18.6	15.8	24.1	---	---	---	1989
1970	---	---	5.38	75.7	84.0	31.0	181	100	55.9	87.5	---	---	---	1970
1971	---	---	11.7	88.3	158	83.5	155	60.5	28.7	18.0	11.1	8.87	---	1971
1972	8.73	5.31	7.18	82.7	108	30.7	13.8	9.38	7.35	9.08	8.80	3.72	22.7	1972
1973	3.41	4.24	3.42	28.8	35.3	86.8	84.8	84.7	82.5	51.8	49.3	22.7	36.8	1973
1974	13.4	11.8	10.2	137	372	152	58.8	38.8	28.2	24.3	15.8	14.2	73.4	1974
1975	8.87	7.63	8.78	43.8	128	82.5	110	47.8	40.8	26.3	11.8	12.8	44.5	1975
1976	10.8	8.72	7.85	47.1	24.5	17.8	88.5	42.8	30.5	18.4	8.40	4.83	24.2	1976
1977	4.86	4.80	4.88	28.5	38.3	33.4	18.3	20.8	14.8	18.1	8.83	8.00	18.4	1977
1978	5.58	5.82	7.88	32.1	82.7	87.1	23.4	13.1	28.4	32.2	12.8	8.03	27.1	1978
1979	4.17	4.70	5.69	43.1	120	88.8	82.3	28.0	21.7	17.8	8.88	8.24	33.4	1979
1980	8.18	2.88	3.42	44.2	20.0	10.4	8.78	28.2	34.8	34.2	18.8	7.00	17.8	1980
1981	8.82	8.88	10.3	48.4	22.8	10.3	25.8	11.8	4.78	3.72	3.48	2.38	12.8	1981
1982	2.14	1.78	1.78	24.8	37.2	18.1	13.4	12.0	8.88	8.34	2.82	2.32	10.7	1982
1983	2.88	2.78	2.88	17.8	13.1	8.37	20.8	17.0	8.82	8.30	8.84	2.88	8.30	1983
1984	1.74	2.38	3.80	27.2	27.3	87.7	21.0	10.1	7.78	8.01	7.08	4.81	18.8	1984
1985	3.08	2.32	3.47	58.0	108	23.4	15.0	8.27	4.81	4.88	1.88	1.88	20.4	1985
1986	2.02	2.84	3.85	30.8	28.4	23.7	40.5	81.5	13.3	7.83	5.88	4.88	18.8	1986
1987	4.27	4.16	4.82	82.1	40.4	22.8	11.3	7.80	7.88	8.22	3.17	2.25	14.7	1987
1988	1.72	1.83	1.82	18.4	13.2	11.2	35.7	28.0	27.1	10.0	8.84	3.84	13.3	1988
MEAN	5.08	4.75	5.27	53.8	74.1	43.8	45.0	30.0	21.1	17.8	11.8	8.43	24.2	MEAN

LOCATION - LAT 54 17 47 N
LONG 108 38 16 W

DRAINAGE AREA, 20 800 km²
NATURAL FLOW

BEAVER RIVER NEAR DORINTOSH - STATION NO. 05AD001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1933	---	158 ON MAY 16	---	---	1933
1934	---	---	---	---	1934
1935	---	182 ON MAY 3	---	---	1935
1936	---	178 ON MAY 19	---	---	1936
1937	---	---	---	---	1937
1938	---	---	---	---	1938
1939	---	---	---	---	1939
1940	---	---	---	---	1940
1980	---	220 E ON APR 18	---	---	1980
1981	---	161 ON APR 25	---	---	1981
1982	---	464 ON JUN 18 *	---	---	1982
1983	288 AT 07:00 CST ON APR 20	288 ON APR 20	---	---	1983
1984	---	48.1 ON MAY 15	---	---	1984
1985	---	211 ON JUN 18	---	---	1985
1986	---	83.4B ON APR 14	---	---	1986
1987	---	101 B ON MAY 8	---	---	1987
1988	28.8 AT 12:00 CST ON OCT 4	28.8 ON OCT 4	---	---	1988
1989	178 AT 20:00 CST ON APR 25	178 ON APR 25	---	---	1989
1970	241 AT 22:00 CST ON JUL 17	240 ON JUL 18	---	---	1970
1971	281 AT 18:18 CST ON MAY 3	280 ON MAY 3	---	---	1971
1972	---	155 A ON APR 25	2.80 B ON DEC 31	717 000	1972
1973	116 AT 07:24 CST ON JUN 27	115 ON JUN 27	2.53 B ON JAN 1	1 130 000	1973
1974	614 AT 18:58 CST ON APR 26 *	568 ON APR 26	8.40 B ON MAR 18	2 320 000	1974
1975	177 AT 08:30 CST ON APR 28	177 ON APR 28	6.28 B ON JAN 28	1 400 000	1975
1976	104 AT 18:09 CST ON JUL 23	104 ON JUL 23	4.13 B ON DEC 18	784 000	1976
1977	82.4 AT 03:14 CST ON APR 18	75.3 ON APR 18	4.22 B ON FEB 12	831 000	1977
1978	---	158 A ON JUN 11	5.10 B ON JAN 28	885 000	1978
1979	---	220 A ON MAY 1	3.65 B ON JAN 12	1 080 000	1979
1980	138 A AT 20:31 CST ON APR 18	132 A ON APR 18	2.38 B ON FEB 28	885 000	1980
1981	84.6B AT 00:18 CST ON APR 6	82.6B ON APR 6	1.48 B ON DEC 29	404 000	1981
1982	117 B AT 17:84 CST ON APR 28	106 B ON APR 28	1.50 B ON FEB 10	337 000	1982
1983	34.1 AT 03:47 CST ON APR 18	31.6B ON APR 18	2.14 B ON MAR 18	283 000	1983
1984	87.4 AT 23:18 CST ON JUN 8	87.0 ON JUN 10	0.818B ON JAN 10 *	494 000	1984
1985	142 AT 18:18 CST ON MAY 18	142 ON MAY 18	1.15 B ON NOV 27	845 000	1985
1986	123 AT 18:57 CST ON JUL 31	121 ON JUL 31	1.61 B ON JAN 1	535 000	1986
1987	118 AT 13:20 CST ON APR 18	118 ON APR 18	1.80 B ON DEC 31	402 000	1987
1988	48.6 AT 17:18 CST ON JUL 27	48.4 ON JUL 27	1.33 B ON FEB 12	422 000	1988
				784 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BEAVERDAM CREEK NEAR WEYBURN - STATION NO. 05NB004

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1919	---	---	0	0	0	0	0	0	0	0	---	---	---	1919
1920	---	---	0	0	0	0	0	0	0	0	---	---	---	1920
1921	---	---	0	0	0	0.001	0	0	0	0	---	---	---	1921
1922	---	---	0	0	0	0	0	0	0	0	---	---	---	1922
1925	---	---	0	0	0	0	0	0	0	0	---	---	---	1925
MEAN	---	---	0	0	0	0	0	0	0	0	---	---	---	MEAN

LOCATION - LAT 49 35 50 N, LONG 103 57 55 W
DRAINAGE AREA, 241 km²
NATURAL FLOW

BECKETT BROOK NEAR FOAM LAKE - STATION NO. 05MA022

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1962	---	---	---	0.788	---	---	---	---	---	---	---	---	---	1962
1963	---	---	0.151	---	---	---	---	---	---	---	---	---	---	1963
1965	---	---	---	0.583	---	---	---	---	---	---	---	---	---	1965
1968	---	---	0.583	---	---	---	---	---	---	---	---	---	---	1968
1970	---	---	---	0.880	---	---	---	---	---	---	---	---	---	1970
1971	---	---	---	1.84	---	---	---	---	---	---	---	---	---	1971
1974	---	---	---	1.71	1.07	---	---	---	---	---	---	---	---	1974
1975	---	---	0	1.88	1.23	0.018	0	0	0	0	---	---	0.388	1975
1976	---	---	0	2.30	0.028	0.472	0.148	0	0	0	---	---	0.361	1976
1977	---	---	0	0.070	0.005	0	0	0	0	0	---	---	0.009	1977
1978	---	---	0.004	0.181	0.007	0.041	0.038	0	0.001	0	---	---	0.034	1978
1979	---	---	0	2.34	0.788	0.002	0	0	0	0	---	---	0.364	1979
1980	---	---	0	0.818	0	0	0	0	0	0	---	---	0.112	1980
1981	---	0	0	0	0	0	0	0	0	0	---	---	0	1981
1982	---	---	0	0.274	0.017	0	0	0	0	0	---	---	0.038	1982
1983	---	---	0	0.374	0.339	0.002	1.14	0.088	0.001	0.001	---	---	0.228	1983
1984	---	---	0.083	0.147	0.007	0.001	0.004	0	0	0	---	---	0.030	1984
1985	---	---	0	2.38	0.088	0.004	0	0	0	0	---	---	0.304	1985
MEAN	---	0	0.084	1.01	0.288	0.049	0.121	0.008	0	0	---	---	0.170	MEAN

LOCATION - LAT 51 39 30 N, LONG 103 38 12 W
DRAINAGE AREA, 832 km²
NATURAL FLOW

BECKETT BROOK NEAR FOAM LAKE - STATION NO. 05MA022

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1962	---	---	---	---	1962
1963	---	1.13 ON MAR 28	0E ON MAR 1 *	---	1963
1965	---	---	---	---	1965
1968	---	---	---	---	1968
1970	---	---	---	---	1970
1971	---	---	---	---	1971
1974	---	---	---	---	1974
1975	8.88 AT 03:40 CST ON APR 30	7.58 ON APR 30	0E ON MAR 1	7 740	1975
1976	18.8 AT 19:00 CST ON APR 8 *	12.2 ON APR 8 *	0E ON MAR 1	7 830	1976
1977	0.843 AT 12:21 CST ON APR 13	0.493 ON APR 13	0E ON MAR 1	197	1977
1978	1.28 B AT 13:50 CST ON APR 10	1.04 B ON APR 10	0E ON MAR 1	710	1978
1979	11.8 AT 08:58 CST ON APR 28	10.2 B ON APR 28	0E ON MAR 1	8 140	1979
1980	8.83 B AT 11:31 CST ON APR 8	3.48 B ON APR 11	0E ON MAR 1	2 380	1980
1981	---	0 B ON MAR 1	0E ON MAR 1	0	1981
1982	5.26 B AT 13:30 CST ON APR 13	1.30 ON APR 18	0E ON MAR 1	755	1982
1983	8.45 AT 10:48 CST ON JUL 11	5.17 ON JUL 11	0E ON MAR 1	4 850	1983
1984	1.21 AT 10:41 CST ON JUL 12	0.8838 ON MAR 29	0E ON MAR 1	833	1984
1985	8.86 AT 02:18 CST ON APR 14	8.62 ON APR 14	0E ON MAR 1	8 430	1985
				3 880	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BELANGER CREEK ABOVE CYPRESS LAKE EAST INFLOW CANAL - STATION NO. 11AC015

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1912	---	---	---	3.41	0.599	0.305	0.242	---	0.126	0.194	---	---	---	1912
1913	---	---	---	2.08	0.281	0.204	0.171	0.121	0.087	0.095	---	---	---	1913
1914	---	---	---	---	---	---	---	---	---	---	---	---	---	1914
1915	---	---	---	---	---	---	0.588	0.196	0.200	0.197	---	---	---	1915
1916	---	---	---	0.673	0.731	0.823	0.640	0.447	0.285	0.348	---	---	---	1916
1917	---	---	---	---	---	0.511	0.312	0.276	0.288	0.283	---	---	---	1917
1918	---	---	---	2.06	0.388	0.272	0.147	0.121	0.105	0.111	---	---	---	1918
1919	---	---	---	0.883	0.153	0.068	0.065	0.048	0.049	0.054	---	---	---	1919
1920	---	---	0.088	2.83	0.847	0.323	0.202	0.077	0.088	0.107	---	---	0.840	1920
1921	---	---	0.328	1.72	0.503	0.233	0.131	0.077	0.082	0.111	---	---	0.398	1921
1922	---	---	0.083	4.13	1.11	0.362	0.202	0.184	0.116	0.116	---	---	0.772	1922
1923	---	---	0.055	0.737	0.267	0.276	0.186	0.124	0.112	0.111	---	---	0.230	1923
1924	---	---	0.044	0.842	0.145	0.157	0.072	0.078	0.069	0.084	---	---	0.156	1924
1925	---	---	0.105	2.31	0.291	0.203	0.111	0.083	0.127	0.088	---	---	0.410	1925
1926	---	---	0.842	0.318	0.011	0.037	0.018	0.028	0.054	0.042	---	---	0.188	1926
1927	---	---	0.082	3.01	1.86	0.839	0.383	0.218	0.182	0.151	---	---	0.772	1927
1928	---	---	0.824	0.571	0.278	0.288	0.310	0.141	0.080	0.093	---	---	0.324	1928
1939	---	---	0.387	0.330	0.241	0.322	0.147	0.058	0.085	0.078	---	---	0.203	1939
1940	---	---	0.020	1.85	1.00	0.455	0.183	0.081	0.071	0.088	---	---	0.478	1940
1941	---	---	1.21	0.770	0.177	0.115	0.045	0.040	0.057	0.052	---	---	0.308	1941
1942	---	---	0.074	1.83	0.335	0.542	0.234	0.142	0.133	0.137	---	---	0.438	1942
1943	---	---	1.26	1.87	0.255	0.204	0.080	0.025	0.027	0.054	---	---	0.481	1943
1944	---	---	0.295	1.99	0.122	0.128	0.142	0.102	0.080	0.073	---	---	0.382	1944
1945	---	---	0.551	0.125	0.241	0.088	0.033	0.035	0.050	0.090	---	---	0.153	1945
MEAN	---	---	0.389	1.83	0.454	0.296	0.188	0.121	0.110	0.118	---	---	0.367	MEAN

LOCATION - LAT 49 30 00 N DRAINAGE AREA, 181 km²
LONG 109 22 07 W NATURAL FLOW

BELANGER CREEK ABOVE CYPRESS LAKE EAST INFLOW CANAL - STATION NO. 11AC015

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1912	---	11.6 ON APR 5	---	---	1912
1913	---	---	---	---	1913
1914	---	---	0 B ON MAR 28 *	---	1914
1915	---	---	---	---	1915
1916	---	---	---	---	1916
1917	---	---	---	---	1917
1918	---	---	---	---	1918
1919	---	---	---	---	1919
1920	15.4 AT 23:30 MST ON APR 18	11.9 ON APR 20	0.051 ON AUG 16	11 400	1920
1921	24.0 AT 24:00 MST ON APR 13	13.4 ON APR 14	0.034 ON SEP 1	8 380	1921
1922	35.4 AT 01:00 MST ON APR 22 *	26.6 ON APR 22 *	0.0678 ON MAR 1	18 300	1922
1923	3.34 ON APR 14	2.49 ON APR 14	0.0408 ON MAR 1	4 670	1923
1924	12.7 B AT 24:00 MST ON APR 6	8.248 ON APR 7	0.0288 ON MAR 6	3 280	1924
1925	20.7 AT 23:00 ON APR 4	9.86 ON APR 5	0.0288 ON MAR 1	8 680	1925
1926	5.078 AT 21:00 MST ON MAR 18	3.518 ON MAR 18	0.003 ON JUL 7	3 570	1926
1927	---	23.8 E ON APR 26	0.0718 ON MAR 1	18 300	1927
1928	9.348 AT 20:20 MST ON MAR 21	4.788 ON MAR 21	0.089 ON JUN 2	8 870	1928
1939	3.74 AT 09:00 MST ON MAR 25	2.84 ON MAR 25	0.003 ON JUN 27	4 300	1939
1940	10.6 AT 20:15 MST ON APR 19	10.0 ON APR 21	0.0208 ON MAR 1	10 100	1940
1941	7.028 AT 20:00 MST ON MAR 28	5.308 ON MAR 28	0.014 ON AUG 21	5 550	1941
1942	8.81 AT 01:30 MST ON APR 13	8.41 ON APR 13	0.071E ON MAR 1	8 230	1942
1943	---	8.839 ON MAR 28	0.008 ON AUG 23	10 200	1943
1944	10.5 AT 02:00 MST ON APR 4	9.51 ON APR 3	0.0678 ON MAR 1	7 870	1944
1945	4.78 AT 21:30 MST ON MAR 22	3.09 ON MAR 23	0.006 ON JUL 12	3 240	1945
				8 180	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD
E - ESTIMATED

BELANGER CREEK AT GARRISON'S RANCH - STATION NO. 11AC005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1908	---	---	---	---	---	---	0.827	0.178	0.120	0.130	---	---	---	1908
1910	---	---	---	0.178	0.181	0.158	0.082	0.048	0.040	0.033	---	---	---	1910
1911	---	---	---	---	---	---	---	---	0.071	0.078	---	---	---	1911
1912	---	---	---	1.68	0.087	0.033	0.018	0.087	0.088	0.088	---	---	---	1912
MEAN	---	---	---	1.03	0.108	0.084	0.336	0.084	0.083	0.084	---	---	---	MEAN

LOCATION - LAT 49 33 00 N DRAINAGE AREA, 121 km²
LONG 109 23 00 W REGULATED

BELANGER CREEK BELOW CYPRESS LAKE EAST INFLOW CANAL - STATION NO. 11AC059

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1939	---	---	0.019	0.023	0.057	0.084	0.084	0.040	0.021	0.044	---	---	0.045	1939
1940	---	---	0.014	0.018	0.012	0.078	0.132	0.042	0.038	0.075	---	---	0.051	1940
1941	---	---	0.127	0.037	0.018	0.050	0.025	0.007	0.008	0.008	---	---	0.035	1941
1942	---	---	0.078	0.126	0.183	0.078	0.070	0.137	0.143	0.150	---	---	0.120	1942
1943	---	---	0.408	0.252	0.091	0.064	0.038	0.011	0.022	0.018	---	---	0.118	1943
1944	---	---	0.083	0.170	0.047	0.120	0.142	0.102	0.080	0.073	---	---	0.102	1944
1945	---	---	0.123	0.100	0.241	0.088	0.033	0.035	0.030	0.059	---	---	0.088	1945
MEAN	---	---	0.122	0.103	0.092	0.080	0.078	0.054	0.049	0.061	---	---	0.080	MEAN

LOCATION - LAT 49 28 50 N
LONG 109 21 53 W
DRAINAGE AREA, 181 km²
REGULATED

BELANGER CREEK BELOW CYPRESS LAKE EAST INFLOW CANAL - STATION NO. 11AC059

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1939	---	0.130 ON MAY 28	0 B ON MAR 1 *	959	1939
1940	---	0.181 ON JUL 28	0 ON APR 23	1 070	1940
1941	---	0.425B ON MAR 19	0 ON AUG 9	736	1941
1942	---	0.476 ON APR 28	0.003 ON JUL 3	2 550	1942
1943	---	7.08 B ON MAR 28 *	0 ON OCT 14	2 480	1943
1944	---	0.595B ON APR 2	0.034 ON MAY 27	2 150	1944
1945	---	0.385A ON MAY 20	0.006A ON JUL 12	1 880	1945
				1 880	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BELANGER CREEK DIVERSION TO CYPRESS LAKE - STATION NO. 11AC084

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1946	---	---	0.717	0.153	0.065	0.005	0	0	0	0.006	---	---	0.122	1946
1947	---	---	0.289	0.899	0.156	0.034	0.025	0.001	0.001	0	---	---	0.186	1947
1948	---	---	0	1.18	0.088	0.004	0	0	0	0	---	---	0.152	1948
1949	---	---	0.006	0.734	0.088	0	0	0	0	0	---	---	0.100	1949
1950	---	---	0	1.21	0.184	0.003	0.030	0.002	0	0	---	---	0.174	1950
1951	---	---	0.001	3.88	2.15	0.175	0	0.033	0.035	0.088	---	---	0.767	1951
1952	---	---	0	1.83	0	0.041	0	0	0	0	---	---	0.208	1952
1953	---	---	0.015	1.58	1.45	0.357	0.200	0	0	0	---	---	0.448	1953
1954	---	---	0	0.958	0.367	0.076	0	0	0	0	---	---	0.171	1954
1955	---	---	0	1.08	0.871	0.410	0.184	0	0	0	---	---	0.330	1955
1956	---	---	0.011	0.514	0.588	0.027	0	0	0	0	---	---	0.141	1956
1957	---	---	0.013	2.09	0.158	0	0	0	0	0	---	---	0.277	1957
1958	---	---	0.012	1.85	0	0	0	0	0	0	---	---	0.204	1958
1959	---	---	0.876	1.17	0.116	0.288	0.048	0	0	0	---	---	0.284	1959
1960	---	---	1.91	0.867	0.137	0.018	0	0	0	0	---	---	0.342	1960
1961	---	---	0.384	0.183	0.012	0.014	0.005	0	0	0	---	---	0.078	1961
1962	---	---	0.289	0.788	0.021	0	0	0	0	0	---	---	0.137	1962
1963	---	---	1.04	0.745	0.225	0.083	0.008	0	0	0	---	---	0.284	1963
1964	---	---	0	0.848	0.441	0.017	0	0	0	0	---	---	0.137	1964
1965	---	---	0	4.89	1.38	0.188	0.123	0	0	0	---	---	0.788	1965
1966	---	---	1.23	1.81	0.855	0.149	0	0	0	0	---	---	0.442	1966
1967	---	---	0	0.988	1.78	0.080	0	0	0	0	---	---	0.364	1967
1968	---	---	1.27	0.204	0.032	0.084	0	0	0	0	---	---	0.198	1968
1969	---	---	0	2.36	0.147	0.019	0.007	0	0	0	---	---	0.311	1969
1970	---	---	0	3.22	1.58	0.214	0.004	0	0	0	---	---	0.621	1970
1971	---	---	0	1.47	0	0	0.013	0	0	0	---	---	0.182	1971
1972	---	---	1.24	0.008	0.003	0.232	0.018	0	0	0	---	---	0.189	1972
1973	---	---	0.088	0.128	0.015	0.180	0	0	0	0	---	---	0.048	1973
1974	---	---	0	1.48	1.82	0.288	0	0	0	0	---	---	0.444	1974
1975	---	---	0.021	1.52	3.57	0.135	0	0	0	0	---	---	0.857	1975
1976	---	---	0.809	0.882	0.003	0	0	0	0	0	---	---	0.211	1976
1977	---	---	0.003	0.183	0	0	0	0	0	0	---	---	0.020	1977
1978	---	---	0.018	1.75	0.842	0.012	0	0	0.017	0	---	---	0.302	1978
1979	---	---	0.891	3.45	1.28	0.103	0	0	0	0	---	---	0.710	1979
1980	---	---	0.003	1.32	0.083	0.034	0	0	0	0	---	---	0.178	1980
1981	---	---	0.018	0.008	0	0.114	0	0	0.004	0	---	---	0.017	1981
1982	---	---	0	0.809	0.287	1.78	0.028	0	0	0	---	---	0.370	1982
1983	---	---	0.885	0.838	0.889	0	0.248	0	0	0	---	---	0.324	1983
1984	---	---	0.001	0.308	0.084	0.008	0	0	0	0	---	---	0.048	1984
1985	---	---	0.070	1.34	0.221	0	0	0	0	0	---	---	0.201	1985
1986	---	0.291	0.885	0.088	0.441	0.140	0	0	0.387	0.052	---	---	0.257	1986
1987	---	---	1.08	1.75	0.026	0	0	0	0	0	---	---	0.355	1987
1988	---	---	0.088	0.118	0.041	0.088	0	0	0	0	---	---	0.040	1988
MEAN	---	0.291	0.327	1.21	0.818	0.125	0.022	0.001	0.010	0.003	---	---	0.274	MEAN

LOCATION - LAT 49 28 38 N
LONG 109 21 54 W
REGULATED SINCE 1939
INTERNATIONAL GAUGING STATION

BELANGER CREEK DIVERSION TO CYPRESS LAKE - STATION NO. 11AC004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1946	---	3.695 ON MAR 18	0B ON MAR 1 *	2 570	1946
1947	---	2.75 ON APR 10	0B ON MAR 1	3 830	1947
1948	---	7.76 ON APR 17	0 ON MAR 1	3 230	1948
1949	---	1.955 ON APR 8	0 ON MAR 1	2 100	1949
1950	---	8.065 ON APR 21	0B ON MAR 1	3 870	1950
1951	---	15.7 B ON APR 28	0B ON MAR 1	18 700	1951
1952	---	10.5 ON APR 14	0B ON MAR 1	4 380	1952
1953	---	10.3 ON APR 26	0B ON MAR 1	8 500	1953
1954	---	3.828 ON APR 14	0B 0w MAR 1	3 830	1954
1955	---	8.718 ON APR 11	0B ON MAR 1	6 880	1955
1956	---	1.76 ON APR 17	0B ON MAR 1	2 880	1956
1957	---	8.63 ON APR 18	0B ON MAR 1	5 670	1957
1958	---	8.81 ON APR 4	0 ON MAR 1	4 320	1958
1959	---	8.97 ON APR 2	0B ON MAR 1	6 020	1959
1960	---	8.508 ON MAR 28	0B ON MAR 1	7 250	1960
1961	---	2.32 ON MAR 22	0B ON MAR 1	1 810	1961
1962	---	3.988 ON APR 5	0B ON MAR 1	2 500	1962
1963	---	8.28 ON MAR 26	0B ON MAR 1	5 590	1963
1964	---	4.878 ON APR 4	0B ON MAR 1	2 800	1964
1965	---	14.2 ON APR 28	0B ON MAR 1	16 700	1965
1966	---	12.7 B ON MAR 30	0B ON MAR 1	6 380	1966
1967	---	11.6 ON MAY 8	0B ON MAR 1	7 500	1967
1968	---	4.138 ON MAR 6	0 ON APR 21	4 180	1968
1969	---	13.7 B ON APR 6	0B ON MAR 1	6 880	1969
1970	---	13.1 ON APR 11	0B ON MAR 1	13 100	1970
1971	---	7.70 ON APR 24	0B ON MAR 1	3 880	1971
1972	---	11.0 B ON MAR 17	0B ON MAR 1	3 980	1972
1973	---	1.10 ON JUN 16	0B ON MAR 6	1 020	1973
1974	---	10.1 ON MAY 25	0B ON MAR 1	8 410	1974
1975	18.3 AT 10:50 CST ON MAY 7 *	16.8 ON MAY 7 *	0B ON APR 2	13 800	1975
1976	---	5.848 ON APR 1	0B ON MAR 1	4 470	1976
1977	---	2.44 ON APR 8	0B ON MAR 16	428	1977
1978	---	3.79 ON APR 27	0B ON MAR 1	6 380	1978
1979	---	14.6 ON APR 18	0B ON MAR 1	15 000	1979
1980	---	7.038 ON APR 7	0B ON MAR 1	3 740	1980
1981	---	1.82 ON JUN 16	0B ON MAR 1	371	1981
1982	---	10.5 ON JUN 4	0B ON MAR 1	7 830	1982
1983	---	7.74 ON MAR 12	0B ON MAR 1	6 880	1983
1984	---	1.45 ON APR 7	0 ON MAR 1	880	1984
1985	---	8.05 ON APR 14	0B ON MAR 1	4 280	1985
1986	---	4.048 ON MAR 2	0 ON APR 18	5 450	1986
1987	---	6.72 ON APR 5	0B ON MAR 1	7 610	1987
1988	---	1.418 ON MAR 28	0B ON MAR 1	863	1988
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		5 610	MEAN

BEVERIDGE WEST DITCH NEAR SKIBEREEN - STATION NO. 05HA030

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1912	---	---	---	---	---	---	---	---	---	---	---	---	---	1912
1915	---	---	---	0.010	0.014	0.026	---	---	---	---	---	---	---	1915
1916	---	---	---	---	---	---	---	---	---	---	---	---	---	1916
1917	---	---	---	---	---	---	---	---	---	---	---	---	---	1917
MEAN	---	---	---	0.010	0.014	0.026	---	---	---	---	---	---	---	MEAN

LOCATION - LAT 48 41 17 N
LONG 109 14 47 W REGULATED

BEVERIDGE WEST DITCH NEAR SKIBEREEN - STATION NO. 05HA030

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1912	---	---	0R ON JUL 18 *	---	1912
1915	---	---	0 ON APR 1	---	1915
1916	---	---	0R ON AUG 28	---	1916
1917	---	---	0 ON JUL 13	---	1917
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD R - REVISED SINCE JAN 01 1987		---	MEAN

BIG GULLY CREEK NEAR MAIDSTONE - STATION NO. 05EF005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1970	---	---	---	---	---	---	---	---	---	0.018	---	---	---	1970
1971	---	---	0.014	5.83	2.56	0.708	0.313	0.322	0.041	0.081	---	---	1.25	1971
1972	---	---	0.038	10.3	3.28	0.382	0.031	0.038	0.117	0.087	---	---	1.84	1972
1973	---	---	0.148	4.33	1.80	0.828	1.01	0.071	0.003	0.851	---	---	1.05	1973
1974	---	---	0.021	19.4	8.87	1.85	0.530	0.099	0.038	0.054	---	---	3.81	1974
1975	---	---	0.028	2.33	4.50	1.44	0.405	0.035	0.084	0.828	---	---	1.18	1975
1976	---	---	0.008	1.53	0.723	0.034	0.088	0.002	0.081	0.018	---	---	0.302	1976
1977	---	---	0	0.002	0.182	0.007	0	0	0	0	---	---	0.021	1977
1978	---	---	0.019	0.384	0.170	0	0	0	0	0	---	---	0.071	1978
1979	---	---	0	1.71	1.77	0.538	0.041	0	0	0	---	---	0.804	1979
1980	---	---	0	1.88	0.582	0.192	0.105	0	0	0	---	---	0.317	1980
1981	---	---	0.051	1.46	0.241	0	0	0.088	0	0	---	---	0.227	1981
1982	---	---	0	0.008	0	0	0	0.012	0	0	---	---	0.002	1982
1983	---	---	0	0.235	0.088	0.007	0.002	0	0	0	---	---	0.041	1983
1984	---	---	0.082	3.01	0.702	0.490	0.026	0	0	0	---	---	0.532	1984
1985	---	---	0.020	3.26	0.893	0.042	0	0	0	0	---	---	0.518	1985
1986	---	---	0.201	2.13	0.451	0.255	0.812	1.21	0.272	0.158	---	---	0.858	1986
1987	---	---	0.003	5.76	1.15	0.143	0.032	0.002	0	0	---	---	0.998	1987
1988	---	---	0.006	0.221	0.017	0.009	0.273	0.321	0.024	0.006	---	---	0.110	1988
MEAN	---	---	0.038	3.84	1.49	0.374	0.191	0.122	0.034	0.083	---	---	0.741	MEAN

LOCATION - LAT 53 14 30 N
LONG 109 17 45 W
DRAINAGE AREA, 1 820 km²
NATURAL FLOW

REMARKS - PRIOR TO OCT 01 1978 RECORDS OBTAINED 7.2 km DOWNSTREAM IN NE18-49-22-W3

BIG GULLY CREEK NEAR MAIDSTONE - STATION NO. 05EF005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1970	---	---	0 ON OCT 1 *	---	1970
1971	15.2 AT 19:33 CST ON APR 19	15.1 ON APR 19	0.002 ON SEP 9	28 500	1971
1972	32.3 AT 00:48 CST ON APR 16 *	28.7 ON APR 15	0 B ON MAR 1	34 700	1972
1973	11.4 AT 11:59 CST ON APR 5	8.72 ON APR 5	0 B ON MAR 1	22 100	1973
1974	---	82.1 A ON APR 21 *	0 ON JUL 20	80 500	1974
1975	17.9 B AT 15:15 CST ON APR 25	15.2 B ON APR 25	0 ON JUL 28	24 500	1975
1976	9.26 AT 19:34 CST ON APR 9	5.83 B ON APR 9	0 B ON MAR 1	9 400	1976
1977	---	0.377 ON MAY 21	0 B ON MAR 1	454	1977
1978	0.889 AT 18:48 CST ON APR 7	0.8308 ON APR 7	0 B ON MAR 1	1 500	1978
1979	7.42 AT 18:45 CST ON APR 21	6.87 ON APR 22	0 B ON MAR 1	10 700	1979
1980	5.56 AT 14:08 CST ON APR 18	5.04 ON APR 18	0 B ON MAR 1	8 720	1980
1981	2.78 AT 18:11 CST ON APR 2	2.59 ON APR 2	0 B ON MAR 1	4 810	1981
1982	0.217 AT 18:31 CST ON AUG 23	0.146 ON AUG 24	0 B ON MAR 1	48.2	1982
1983	1.40 AT 19:02 CST ON APR 8	1.19 ON APR 11	0 B ON MAR 1	867	1983
1984	5.06 AT 19:40 CST ON APR 2	4.56 ON APR 11	0 B ON MAR 1	11 300	1984
1985	7.48 AT 07:14 CST ON APR 13	7.39 ON APR 13	0 B ON MAR 1	11 000	1985
1986	4.90 AT 08:43 CST ON APR 3	4.76 ON APR 3	0 B ON MAR 1	14 000	1986
1987	19.1 AT 18:30 CST ON APR 11	14.1 ON APR 12	0 ON JUL 28	21 100	1987
1988	1.31 AT 08:31 CST ON JUL 8	0.906 ON APR 9	0 B ON MAR 1	2 330	1988
				15 700	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BIG MUDDY CREEK AT INTERNATIONAL BOUNDARY - STATION NO. 11AF002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1949	---	---	---	---	0.014	0	0.004	0.018	0	0	---	---	---	1949
1950	---	---	0.003	0.284	0.008	0.148	0	0.024	0	0	---	---	---	1950
1951	---	---	0.001	0.533	0.033	0	0	0.007	0.012	0.004	---	---	---	1951
MEAN	---	---	0.002	0.414	0.018	0.048	0.001	0.018	0.004	0.001	---	---	---	MEAN

LOCATION - LAT 49 00 30 N
LONG 104 51 40 W
DRAINAGE AREA, 88.8 km²
NATURAL FLOW
INTERNATIONAL GAUGING STATION

BIG MUDDY CREEK AT INTERNATIONAL BOUNDARY - STATION NO. 11AF002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1949	---	---	0E ON APR 22 *	---	1949
1950	1.63 ON JUN 12	---	---	---	1950
1951	2.24 ON APR 4 *	---	---	---	1951
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

E - ESTIMATED

BIRCH CREEK NEAR ELFROS - STATION NO. 05MA011

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1983	---	---	0.236	0.031	0.002	0.003	0	0	0	0	---	---	0.034	1983
1984	---	---	0	0.190	0.047	0	0.002	0	0.002	0	---	---	0.030	1984
1985	---	---	0	0.893	0.073	0.180	0.016	0	0.001	0	---	---	0.158	1985
1986	---	---	0.431	2.84	0.411	0.024	0.002	0.080	0	0	---	---	0.445	1986
1987	---	---	0	2.53	0.788	0.014	0	0	0	0	---	---	0.409	1987
1988	---	---	1.00	0.233	0.004	0	0	0	0	0	---	---	0.155	1988
1989	---	---	0	2.72	0.823	0	0	0	0	0	---	---	0.335	1989
1970	---	---	0	3.40	0.464	0.011	0.008	0	0	0	---	---	0.475	1970
1971	---	---	0	3.90	0.084	0.068	0.001	0	0	0	---	---	0.483	1971
1972	---	---	0.210	3.18	0.256	0	0	0	0	0	---	---	0.448	1972
1973	---	---	0.024	0.026	0.014	0.648	0.142	0.011	0	0	---	---	0.095	1973
1974	---	---	0	3.12	1.58	0.858	0.032	0.003	0.008	0.028	---	---	0.711	1974
1975	---	---	0	5.55	3.35	0.152	0.018	0.010	0.006	0.006	---	---	1.13	1975
1976	---	---	0.007	4.87	0.158	0.178	0.056	0.008	0.008	0.004	---	---	0.848	1976
1977	---	---	0.001	0.087	0.004	0	0	0	0	0	---	---	0.011	1977
1978	---	---	0.189	0.820	0.005	0.008	0.043	0.020	0.003	0.008	---	---	0.111	1978
1979	---	---	0	5.87	1.38	0.074	0	0	0	0	---	---	0.818	1979
1980	---	---	0	2.18	0.005	0	0	0	0	0	---	---	0.288	1980
1981	---	0	0.001	0.001	0	0	0	0	0	0.001	---	---	0	1981
1982	---	---	0	0.886	0.017	0.004	0.002	0.001	0	0.002	---	---	0.089	1982
1983	---	---	0.017	0.723	0.188	0.010	3.44	0.303	0.002	0.002	---	---	0.590	1983
1984	---	---	0.291	0.219	0.032	0.029	0.005	0.001	0.001	0.002	---	---	0.072	1984
1985	---	---	0.014	5.85	0.252	0.010	0.002	0	0	0.001	---	---	0.783	1985
1986	---	---	1.58	0.732	0.150	0.002	0.001	0	0	0.004	---	---	0.309	1986
1987	---	---	0.047	0.178	0.002	0	0.001	0.001	0	0.001	---	---	0.028	1987
1988	---	---	0.005	0.782	0.025	0.007	0	0	0	0	---	---	0.101	1988
MEAN	---	0	0.155	1.98	0.368	0.078	0.165	0.017	0.001	0.002	---	---	0.338	MEAN

LOCATION - LAT 51 44 48 N LONG 103 52 27 W DRAINAGE AREA, 892 km² REGULATED

BIRCH CREEK NEAR ELFROS - STATION NO. 05MA011

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1983	1.21 B AT 23:00 CST ON MAR 22	1.09 B ON MAR 24	0 B ON MAR 1 *	727	1983
1984	0.8268 AT 02:30 CST ON APR 5	0.7588 ON APR 5	0 B ON MAR 1	633	1984
1985	7.87 AT 18:00 CST ON APR 11	5.47 ON APR 14	0 B ON MAR 1	3 300	1985
1986	28.1 AT 22:00 CST ON MAR 31	18.7 ON APR 1	0 B ON MAR 1	8 420	1986
1987	9.03 B ON APR 23	9.03 B ON APR 23	0 B ON MAR 1	5 670	1987
1988	7.05 B AT 21:00 CST ON MAR 7	3.62 B ON MAR 27	0 B ON MAR 1	3 280	1988
1989	27.0 B AT 20:00 CST ON APR 10	15.3 B ON APR 11	0 B ON MAR 1	7 100	1989
1970	28.8 AT 23:10 CST ON APR 10	23.4 B ON APR 10	0 B ON MAR 1	10 100	1970
1971	36.8 B AT 18:56 CST ON APR 10 *	25.7 B ON APR 10	0 B ON MAR 1	10 400	1971
1972	18.1 AT 23:01 CST ON APR 14	12.7 B ON APR 13	0 B ON MAR 1	8 500	1972
1973	1.32 AT 13:08 CST ON JUN 5	1.23 ON JUN 5	0 B ON MAR 1	2 000	1973
1974	20.7 B AT 19:23 CST ON APR 20	12.9 B ON APR 21	0 B ON MAR 1	15 000	1974
1975	38.4 AT 22:15 CST ON APR 28	28.9 ON APR 28 *	0 B ON MAR 1	23 800	1975
1976	31.7 AT 23:40 CST ON APR 8	26.1 ON APR 8	0.002 ON SEP 18	13 700	1976
1977	---	0.6718 ON APR 10	0 B ON MAR 1	238	1977
1978	---	4.25 A ON APR 10	0 B ON MAR 1	2 350	1978
1979	38.4 B AT 01:03 CST ON APR 24	26.5 B ON APR 24	0 B ON MAR 1	18 400	1979
1980	11.5 B AT 01:01 CST ON APR 8	7.72 ON APR 10	0 B ON MAR 1	5 680	1980
1981	---	0.0038 ON APR 17	0 B ON MAR 1	10.4	1981
1982	5.74 B AT 00:16 CST ON APR 14	3.75 B ON APR 14	0 B ON MAR 1	1 680	1982
1983	15.6 AT 15:21 CST ON JUL 21	12.6 ON JUL 21	0.0018 ON MAR 1	12 500	1983
1984	2.41 B AT 16:06 CST ON MAR 31	1.82 B ON MAR 28	0 B ON MAR 1	1 530	1984
1985	23.5 B AT 21:07 CST ON APR 2	14.0 B ON APR 5	0 B ON MAR 1	15 100	1985
1986	9.79 B AT 16:36 CST ON MAR 26	8.41 B ON MAR 26	0 B ON MAR 1	6 550	1986
1987	0.7126 AT 22:42 CST ON APR 8	0.6376 ON APR 8	0 B ON MAR 1	602	1987
1988	8.82 B AT 22:20 CST ON APR 3	5.42 B ON APR 4	0 ON JUN 20	2 140	1988
				7 180	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

BIRCH RIVER NEAR MANITOBA BOUNDARY - STATION NO. 05KH013

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1978	---	---	---	---	---	---	3.88	8.83	3.08	---	---	---	---	1978
1980	---	---	---	---	8.58	0.884	0.885	4.67	10.7	---	---	---	---	1980
1981	0.015	0.015	0.015	0.015	0.703	1.23	0.358	3.78	3.38	1.88	0.015	0.015	0.853	1981
1982	0.015	0.015	0.015	0.015	3.88	4.28	2.83	7.14	0.840	0.331	0.015	0.015	1.82	1982
1983	0.015	0.015	0.015	0.015	0.015	0.522	4.58	3.08	0.015	0.015	0.138	0	0.713	1983
1984	0.015	0.015	0.015	1.02	3.03	3.38	1.84	1.37	3.82	0.688	0.015	0.015	1.24	1984
MEAN	0.015	0.015	0.015	0.268	2.80	2.07	2.38	4.82	3.88	0.898	0.048	0.011	1.13	MEAN

LOCATION - LAT 53 50 00 N LONG 101 57 33 W DRAINAGE AREA, 1 340 km² REGULATED

DATA CONTRIBUTED BY - SASKATCHEWAN DEPARTMENT OF THE ENVIRONMENT

BIRCH RIVER NEAR MANITOBA BOUNDARY - STATION NO. 05KH013

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1978	---	---	---	---	1978
1980	---	---	---	---	1980
1981	---	10.8 ON AUG 24 *	0.015E ON JAN 1	30 100	1981
1982	---	10.8 ON AUG 2	0.015E ON JAN 1	51 100	1982
1983	---	8.50 ON JUL 4	0 ON OCT 17 *	22 500	1983
1984	5.77 AT 12:00 CST ON APR 24 *	5.05 ON APR 25	0.015B ON JAN 1	39 200	1984
				35 700	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BIRLING CREEK NEAR PAYNTON - STATION NO. 05EG005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1970	---	---	---	---	---	---	---	---	---	0	---	---	---	1970
1971	---	---	0	0.180	0.523	0.040	0.004	0	0	0	---	---	0.094	1971
1972	---	---	0	0.283	0.896	0.122	0	0	0	0	---	---	0.173	1972
1973	---	---	0	0.045	0.163	0.004	0	0	0	0	---	---	0.027	1973
1974	---	---	0	0.085	1.43	1.12	0.247	0.006	0	0.006	---	---	0.382	1974
1975	---	---	0	0.086	0.428	0.278	0.028	0.001	0	0	---	---	0.100	1975
1976	---	---	0	0.049	0.127	0	0.009	0	0	0	---	---	0.023	1976
1977	---	---	0	0	0.005	0.002	0	0	0	0	---	---	0.001	1977
1978	---	---	0	0	0	0	0	0	0	0	---	---	0	1978
1979	---	---	0	0.018	0.002	0	0	0	0	0	---	---	0.002	1979
1980	---	---	0	0.005	0	0	0	0	0	0	---	---	0.001	1980
1981	---	---	0.001	0.004	0	0	0	0	0	0	---	---	0.001	1981
1982	---	---	0	0.002	0	0	0	0	0	0	---	---	0	1982
1983	---	---	0	0.004	0	0	0	0	0	0	---	---	0.001	1983
1984	---	---	0.003	0.002	0.001	0	0	0	0	0	---	---	0.001	1984
1985	---	---	0	0.008	0	0	0	0	0	0	---	---	0.001	1985
1986	---	---	0.005	0.003	0	0	0	0	0	0	---	---	0.001	1986
1987	---	---	0	0.004	0	0	0	0	0	0	---	---	0.001	1987
1988	---	---	0	0	0	0	0	0	0	0	---	---	0	1988
MEAN	---	---	0.001	0.062	0.204	0.067	0.016	0	0	0	---	---	0.044	MEAN

LOCATION - LAT 53 04 45 N LONG 106 55 00 W
DRAINAGE AREA, 428 km^2
NATURAL FLOW

BIRLING CREEK NEAR PAYNTON - STATION NO. 05EG005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1970	---	---	0 ON OCT 1 *	---	1970
1971	0.660 AT 10:30 CST ON APR 19	0.614 ON MAY 10	0B ON MAR 1	1 980	1971
1972	1.39 AT 06:44 CST ON MAY 2	1.33 ON MAY 8	0B ON MAR 1	3 670	1972
1973	---	0.609 ON APR 30	0B ON MAR 1	585	1973
1974	2.08 AT 18:34 CST ON MAY 28 *	2.05 ON MAY 28 *	0B ON MAR 1	7 850	1974
1975	0.801 AT 15:25 CST ON JUN 8	0.643 ON MAY 16	0B ON MAR 1	2 120	1975
1976	0.348 AT 04:00 CST ON MAY 1	0.343 ON MAY 1	0B ON MAR 1	482	1976
1977	---	0.031 ON MAY 20	0B ON MAR 1	18.8	1977
1978	0 E ON APR 19	0 B ON MAR 1	0B ON MAR 1	0	1978
1979	0.310 AT 11:57 CST ON APR 23	0.124 ON APR 26	0B ON MAR 1	48.8	1979
1980	0.132 AT 01:36 CST ON APR 18	0.050 ON APR 18	0B ON MAR 1	14.2	1980
1981	0.117 AT 10:41 CST ON APR 6	0.039 ON APR 6	0B ON MAR 1	13.0	1981
1982	0.048 AT 06:10 CST ON APR 20	0.018 ON APR 20	0B ON MAR 1	4.24	1982
1983	---	0.0358 ON APR 4	0B ON MAR 1	10.7	1983
1984	0.057 AT 19:08 CST ON MAY 30	0.027 ON MAR 30	0B ON MAR 1	13.1	1984
1985	0.055 AT 20:10 CST ON APR 18	0.047 ON APR 25	0B ON MAR 1	23.7	1985
1986	0.173 AT 16:18 CST ON MAR 29	0.057 ON MAR 29	0B ON MAR 1	22.4	1986
1987	0.2218 AT 15:35 CST ON APR 4	0.0268 ON APR 4	0B ON MAR 1	10.8	1987
1988	0.005 AT 19:08 CST ON APR 1	0.0028 ON APR 1	0B ON MAR 1	1.12	1988
				828	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BISSET CREEK NEAR CHOICELAND - STATION NO. 05KE005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1956	---	---	---	3.73	11.6	---	---	---	---	---	---	---	---	1956
1957	---	---	---	8.19	7.82	---	---	---	---	---	---	---	---	1957
1958	---	---	---	4.41	0.861	---	---	---	---	---	---	---	---	1958
1959	---	---	---	1.75	---	---	---	---	---	---	---	---	---	1959
1960	---	---	---	4.80	---	---	---	---	---	---	---	---	---	1960
1961	---	---	---	2.55	---	---	---	---	---	---	---	---	---	1961
1962	---	---	---	1.46	---	---	---	---	---	---	---	---	---	1962
1963	---	---	---	1.22	---	---	---	---	---	---	---	---	---	1963
1965	---	---	---	2.26	1.38	1.04	---	---	---	---	---	---	---	1965
1966	---	---	---	1.42	1.81	---	---	---	---	---	---	---	---	1966
1967	---	---	---	0.062	---	---	---	---	---	---	---	---	---	1967
1968	---	---	---	1.29	---	---	---	---	---	---	---	---	---	1968
1969	---	---	---	0.988	---	---	---	---	---	---	---	---	---	1969
1970	---	---	---	4.50	---	---	---	---	---	---	---	---	---	1970
1971	---	---	---	4.27	---	---	---	---	---	---	---	---	---	1971
1973	---	---	---	3.08	---	---	---	---	---	---	---	---	---	1973
1974	---	---	---	13.5	---	---	---	---	---	---	---	---	---	1974
1975	---	---	0	2.11	3.15	2.25	0.483	0	0	0	---	---	0.984	1975
1976	---	---	0	1.23	0.014	0.202	0.285	0.036	0	0.007	---	---	0.220	1976
1977	---	---	0	0	0	0	0	0.015	0.141	0.019	---	---	0.022	1977
1978	---	---	0	2.30	1.00	0.476	0.184	0.012	0.037	0.044	---	---	0.503	1978
1979	---	---	0	5.87	7.73	3 08	0.427	0	0	0	---	---	2.13	1979
1980	---	---	0	0.713	0.141	0	0	0	0	0.005	---	---	0.106	1980
1981	---	---	0.004	0.189	0.135	0.058	0.030	0.003	0	0	---	---	0.060	1981
1982	---	---	0	1.57	0.155	0.026	0.032	0.113	0.083	0.200	---	---	0.289	1982
1983	---	---	0	3.07	1.74	0.837	0.784	0.139	0.174	0.187	---	---	0.881	1983
1984	---	---	0	3.59	5.38	4.84	0.421	0.022	0.023	0.208	---	---	1.81	1984
1985	---	---	0.023	14.3	5.61	4.92	2.10	0.207	0.084	0.059	---	---	3.38	1985
MEAN	---	---	0.002	3.41	3.01	1.48	0.434	0.050	0.050	0.068	---	---	0.940	MEAN

LOCATION - LAT 53 27 11 N DRAINAGE AREA, 939 km²
LONG 104 34 07 W NATURAL FLOW

BISSET CREEK NEAR CHOICELAND - STATION NO. 05KE005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1956	---	---	---	---	1956
1957	---	---	---	---	1957
1958	---	---	---	---	1958
1959	---	---	---	---	1959
1960	---	---	---	---	1960
1961	---	---	---	---	1961
1962	---	---	---	---	1962
1963	---	---	---	---	1963
1965	---	---	---	---	1965
1966	---	---	---	---	1966
1967	---	---	---	---	1967
1968	---	---	---	---	1968
1969	---	---	---	---	1969
1970	---	---	---	---	1970
1971	---	---	---	---	1971
1973	---	---	---	---	1973
1974	---	---	---	---	1974
1975	---	8.50 ON APR 25	0 B ON MAR 1 *	21 100	1975
1976	---	6.43 B ON APR 5	0 B ON MAR 1	4 650	1976
1977	---	0.252 ON SEP 16	0 B ON MAR 1	459	1977
1978	9.37 AT 05:04 CST ON APR 22	8.18 ON APR 22	0 B ON MAR 1	10 600	1978
1979	29.1 B AT 05:26 CST ON APR 24	24.7 B ON APR 24	0 B ON MAR 1	45 000	1979
1980	2.76 AT 10:15 CST ON APR 17	2.53 ON APR 17	0 B ON MAR 1	2 240	1980
1981	---	0.470E ON MAY 1	0 B ON MAR 1	1 050	1981
1982	8.85B AT 11:20 CST ON APR 20	7.82 B ON APR 20	0 B ON MAR 1	5 700	1982
1983	18.3 B AT 10:40 CST ON APR 23	15.0 B ON APR 23	0 B ON MAR 1	18 200	1983
1984	17.0 AT 11:36 CST ON APR 10	16.1 ON APR 10	0 B ON MAR 1	38 300	1984
1985	43.7 AT 21:30 CST ON APR 20 *	41.3 ON APR 21 *	0.016 ON OCT 14	71 400	1985
				19 900	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BLACKTAIL CREEK AT GARISSERE'S RANCH - STATION NO. 11AC011

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1910	---	---	---	---	0.006	0.003	0.001	0	0	0.001	---	---	---	1910
1911	---	---	---	---	---	---	0.005	0	0	0	---	---	---	1911
MEAN	---	---	---	---	0.006	0.003	0.003	0	0	0.001	---	---	---	MEAN

LOCATION - LAT 49 30 00 N DRAINAGE AREA, 31.3 km²
LONG 109 05 00 W NATURAL FLOW

BLACKTAIL CREEK AT GARISSERE'S RANCH - STATION NO. 11AC011

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1910	---	---	0 ON JUL 15 *	---	1910
1911	---	---	0 ON JUL 19	---	1911
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

BOGGY CREEK NEAR LUMSDEN - STATION NO. 05JF005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1945	---	---	0.014	0.015	0.004	0.010	0.011	---	---	---	---	---	---	1945
1946	---	---	0.042	0.021	0.009	0.011	---	---	---	---	---	---	---	1946
1947	---	---	0	2.23	0.033	0.014	---	---	---	---	---	---	---	1947
1948	---	---	0	2.20	0.203	0.022	---	---	---	---	---	---	---	1948
1949	---	---	0.058	0.123	0.159	0.038	---	---	---	---	---	---	---	1949
1950	---	---	0.024	1.17	0.105	0.027	---	---	---	---	---	---	---	1950
1951	---	---	---	---	---	1.50	---	---	---	---	---	---	---	1951
1953	---	---	0.594	1.08	0.051	0.055	---	---	---	---	---	---	---	1953
1954	---	---	0.021	0.327	0.028	0.191	---	---	---	---	---	---	---	1954
1955	---	---	0.140	3.43	3.13	0.061	0.132	0.008	0.004	0.008	---	---	0.860	1955
1956	---	---	0	5.01	0.290	0.473	0.083	0.005	0.004	0.015	---	---	0.720	1956
1957	---	---	1.40	0.807	0.033	0.007	0.003	0.007	0.003	0.005	---	---	0.243	1957
1958	---	---	0.086	0.154	0.008	0.002	0.003	0	0.003	0.008	---	---	0.033	1958
1959	---	---	0.087	0.040	0.012	0.018	0.010	0	0.008	0.013	---	---	0.023	1959
1960	---	---	0.183	1.75	0.088	1.22	0.183	0.008	0.006	0.007	---	---	0.421	1960
1961	---	---	0.048	0.021	0.023	0.008	0.002	0.001	0.003	0.008	---	---	0.314	1961
1962	---	---	0.011	0.078	0.011	0.007	0.004	0.001	0.002	0.005	---	---	0.015	1962
1963	---	---	0.055	0.031	0.006	0.015	0.058	0.008	0.008	0.006	---	---	0.023	1963
1964	---	---	0.001	0.088	0.013	0.002	0.041	0.072	0.008	0.022	---	---	0.028	1964
1965	---	---	---	---	---	0.128	0.059	0	0.002	0.003	---	---	---	1965
1966	---	---	---	---	---	0.018	0.008	0.011	0.004	0.008	---	---	---	1966
1967	---	---	---	---	0.080	0.005	0.002	0.002	0.010	0.008	---	---	---	1967
1968	---	---	0.277	0.038	0.008	0.018	0.003	0	0	0	---	---	0.043	1968
1969	---	---	0	2.80	0.013	0.001	0.001	0	0	0.008	---	---	0.321	1969
1970	---	---	0.004	1.13	0.284	0.001	0	0	0	0	---	---	0.171	1970
1971	---	---	0	4.30	0.132	0.040	0.012	0	0	0.001	---	---	0.550	1971
1972	---	---	0.718	0.574	0.017	0.007	0.005	0.002	0.005	0.005	---	---	0.188	1972
1973	---	---	0.013	0.010	0.008	0.015	0.018	0.002	0.005	0.004	---	---	0.009	1973
1974	---	---	0	5.27	0.384	0.048	0.008	0.011	0.010	0.010	---	---	0.701	1974
1975	---	---	0	1.42	0.222	3.88	0.458	0.014	0.012	0.014	---	---	0.737	1975
1976	---	---	0.550	3.85	0.022	0.374	0.018	0.004	0.010	0.008	---	---	0.620	1976
1977	---	---	0.008	0.018	0.014	0.017	0.023	0.007	0.017	0.008	---	---	0.014	1977
1978	---	---	0.127	0.347	0.045	0.008	0.008	0.010	0.013	0.008	---	---	0.070	1978
1979	---	---	0.508	2.54	0.204	0.018	0.013	0.003	0.006	0.008	---	---	0.343	1979
1980	---	---	0.034	0.770	0.011	0.004	0.001	0.002	0.001	0.001	---	---	0.101	1980
1981	---	0.002	0.010	0.004	0.002	0.003	0	0	0	0.001	---	---	0.003	1981
1982	---	---	0	3.31	0.033	0.003	0.002	0	0	0.004	---	---	0.411	1982
1983	---	---	0.003	0.272	0.007	0.005	0.787	0.029	0.008	0.005	---	---	0.142	1983
1984	---	---	0.314	0.048	0.007	0.007	0.014	0.001	0.001	0.003	---	---	0.050	1984
1985	---	---	0.598	0.888	0.027	0.010	0.004	0.003	0.007	0.004	---	---	0.184	1985
1986	---	---	0.357	0.026	0.184	0.002	0.002	0.001	0.001	0.005	---	---	0.074	1986
1987	---	---	0.226	0.080	0.012	0.004	0.003	0.002	0.001	0.005	---	---	0.042	1987
1988	---	0	0.007	0.008	0.003	0.001	0	0	0	0	---	---	0.002	1988
MEAN	---	0.001	0.156	1.18	0.147	0.192	0.058	0.008	0.005	0.008	---	---	0.231	MEAN

LOCATION - LAT 50 35 55 N DRAINAGE AREA, 401 km^2
LONG 104 49 05 W REGULATED

REMARKS - PRIOR TO APR 20 1948, RECORDS WERE OBTAINED ABOUT 8.4 km UPSTREAM

BOGGY CREEK NEAR LUMSDEN - STATION NO. 05JF005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1945	---	---	0 B ON MAR 1 *	---	1945
1946	---	---	0 B ON MAR 1	---	1946
1947	---	---	0 B ON MAR 1	---	1947
1948	---	11.9 ON APR 13	0 B ON MAR 1	---	1948
1949	---	10.6 ON APR 22	0 B ON MAR 1	---	1949
		2.83 E ON MAY 30			
1950	---	8.50 B ON APR 17	0 B ON MAR 1	---	1950
1951	---	---	---	---	1951
1953	---	8.04 B ON APR 2	0 B ON MAR 1	---	1953
1954	---	1.16 ON APR 16	0 B ON MAR 1	---	1954
1955	---	24.1 E ON MAY 3	0.003 ON SEP 10	18 200	1955
1956	---	41.8 ON APR 16	0 B ON MAR 1	15 200	1956
1957	---	7.84 B ON MAR 24	0 B ON MAR 1	5 880	1957
1958	---	1.10 B ON MAR 26	0 B ON MAR 1	893	1958
1959	---	0.5388 ON MAR 23	0 B ON MAR 1	490	1959
1960	19.8 AT 19:00 CST ON JUN 26	13.2 ON JUN 26	0 B ON MAR 1	8 800	1960
1961	1.50 AT 02:00 CST ON MAY 31	0.374 ON MAY 31	0 B ON MAR 30	290	1961
1962	---	0.3118 ON APR 6	0 B ON MAR 1	313	1962
1963	0.852 AT 01:00 CST ON JUL 10	0.575 ON JUL 10	0 B ON MAR 1	492	1963
1964	---	0.487 ON AUG 2	0 B ON MAR 1	805	1964
1965	2.42 AT 22:00 CST ON JUN 26	---	---	---	1965
1966	0.178 AT 14:00 CST ON JUN 27	---	---	---	1966
1967	---	---	0 ON JUN 1	---	1967
1968	1.25 B AT 06:00 CST ON MAR 11	1.11 B ON MAR 11	0 ON JUL 26	806	1968
1969	29.7 AT 12:30 CST ON APR 10	19.6 B ON APR 10	0 B ON MAR 1	6 790	1969
1970	8.87 B AT 15:50 CST ON APR 8	7.82 B ON APR 8	0 B ON MAR 1	3 610	1970
1971	43.0 E AT 08:30 CST ON APR 11	39.8 E ON APR 11	0 B ON MAR 1	11 700	1971
1972	9.88 B AT 18:26 CST ON MAR 23	5.84 B ON MAR 24	0 B ON MAR 1	3 520	1972
1973	0.195 AT 11:31 CST ON SEP 26	0.139 ON JUL 2	0 ON JUL 22	197	1973
1974	103 AT 00:10 CST ON APR 20 *	38.5 ON APR 19	0 B ON MAR 1	14 800	1974
1975	76.5 AT 06:37 CST ON JUN 27	56.8 ON JUN 27 *	0 B ON MAR 1	15 800	1975
1976	31.1 B AT 12:48 CST ON APR 2	22.5 B ON APR 2	0 ON AUG 31	13 100	1976
1977	0.130 AT 21:58 CST ON MAY 24	0.067 ON JUL 18	0.001 ON OCT 14	201	1977
1978	4.30 B AT 17:49 CST ON APR 1	2.04 B ON APR 1	0 B ON MAR 1	1 490	1978
1979	22.8 B AT 12:44 CST ON APR 22	15.4 B ON APR 21	0 ON AUG 13	7 280	1979
1980	6.22 B AT 16:04 CST ON APR 2	4.77 B ON APR 2	0.0018 ON MAR 1	2 130	1980
1981	0.0168 AT 15:06 CST ON MAR 11	0.0128 ON MAR 11	0 ON JUL 3	83.6	1981
1982	33.6 B AT 11:06 CST ON APR 16	28.2 B ON APR 16	0 B ON MAR 1	8 880	1982
1983	8.61 AT 10:26 CST ON JUL 11	7.84 ON JUL 11	0.0018 ON MAR 6	2 880	1983
1984	5.95 B AT 15:04 CST ON MAR 28	3.62 B ON MAR 28	0 ON AUG 10	1 060	1984
1985	8.88 B AT 18:46 CST ON MAR 27	3.62 B ON MAR 27	0 ON JUL 24	3 480	1985
1986	2.26 B AT 19:17 CST ON MAR 19	1.72 B ON MAR 19	0 B ON MAR 1	1 580	1986
1987	1.76 B AT 18:47 CST ON MAR 25	1.36 B ON MAR 25	0 B ON MAR 1	884	1987
1988	0.0258 AT 18:12 CST ON MAR 8	0.0188 ON MAR 8	0 ON JUN 21	48.8	1988
				4 890	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BOLINGBROKE DITCH NEAR EASTEND - STATION NO. 11AC021

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1914	---	---	0	0	0	0.001	0	0	0	0	---	---	0	1914
1915	---	---	0	0	0	0	0	0	0	0	---	---	0	1915
1916	---	---	0	0	0	0	0	0	0	0	---	---	0	1916
1917	---	---	0	0	0	0	0	0	0	0	---	---	0	1917
1918	---	---	0	0	0	0	0	0	0	0	---	---	0	1918
1919	---	---	0	0	0	0	0	0	0	0	---	---	0	1919
1920	---	---	0	0	0	0	0	0	0	0	---	---	0	1920
1921	---	---	---	---	---	---	---	---	---	---	---	---	---	1921
1922	---	---	0	0	0	0.008	0	0	0	0	---	---	0.001	1922
1923	---	---	0	0	0	0.023	0	0	0	0	---	---	0.003	1923
1924	---	---	0	0	0	0.003	0	0	0	0	---	---	0	1924
1925	---	---	0	0	0.003	0.006	0.001	0	0	0	---	---	0.001	1925
1926	---	---	0	0	0	0.005	0.005	0	0	0	---	---	0.001	1926
1927	---	---	0	0	0	0	0.004	0	0	0	---	---	0.001	1927
1928	---	---	0	0	0.005	0.004	0.004	0	0	0	---	---	0.002	1928
1929	---	---	0	0	0	0.008	0.004	0	0	0	---	---	0.002	1929
1930	---	---	0	0	0	0.002	0 0	0	0	0	---	---	0.001	1930
1931	---	---	0	0	0	0.004	0 ---	0	0	0	---	---	0	1931
MEAN	---	---	0	0	0	0.004	0.001	0	0	0	---	---	0.001	MEAN

LOCATION - LAT 49 32 50 N
LONG 109 58 30 W
REGULATED SINCE 1914

REMARKS - ESTIMATED ANNUAL DIVERSIONS IN CUBIC DECAMETRES FOR 1932-38 ARE: 18.5; 15; 10; 10; 10; 10; 8.2; AND 8.2

BOLINGBROKE DITCH NEAR EASTEND - STATION NO. 11AC021

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1914	---	0.005 ON JUN 13	0 ON MAR 1 *	2.33	1914
1915	---	---	---	---	1915
1916	---	0 ON MAR 1	0 ON MAR 1	0	1916
1917	---	0 ON MAR 1	0 ON MAR 1	0	1917
1918	---	0 ON MAR 1	0 ON MAR 1	0	1918
1919	---	0 ON MAR 1	0 ON MAR 1	0	1919
1920	---	0 ON MAR 1	0 ON MAR 1	0	1920
1921	---	---	0 ON JUL 21	---	1921
1922	---	0.018 ON JUN 29	0 ON MAR 1	15.6	1922
1923	---	0.088 ON JUN 14 *	0 ON MAR 1	60.6	1923
1924	---	0.021 ON JUN 8	0 ON MAR 1	7.88	1924
1925	---	0.326 ON JUN 11	0 ON MAR 1	31.5	1925
1926	---	0.011 ON JUL 2	0 ON MAR 1	25.2	1926
1927	---	0.011 ON JUL 10	0 ON MAR 1	11.3	1927
1928	---	0.059 ON JUL 17	0 ON MAR 1	34.0	1928
1929	---	0.030 ON JUN 17	0 ON MAR 1	32.6	1929
1930	---	0.011 ON JUL 11	0 ON MAR 1	17.4	1930
1931	---	0.008 ON JUN 3	0 ON MAR 1	9.07	1931
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		14.5	MEAN

BONE CREEK AT LEWIS RANCH - STATION NO. 05MD003

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1908	---	---	---	---	---	---	0.046	0.061	0.052	0.104	---	---	---	1908
1909	---	---	---	0.186	0.174	0.183	0.073	0.062	0.044	0.042	---	---	0.103	1909
1910	---	---	---	0.071	0.088	0.062	0.033	0.028	0.043	0.042	---	---	0.051	1910
1911	---	---	---	0.042	0.071	0.055	0.037	0.038	0.071	0.044	---	---	0.135	1911
1912	---	---	---	0.095	0.182	0.084	0.056	0.045	0.052	0.044	---	---	0.253	1912
1913	---	---	---	0.408	0.080	0.062	0.029	0.032	0.038	0.041	---	---	0.089	1913
1914	---	---	---	0.187	0.077	0.037	0.015	0.018	0.033	0.044	---	---	0.055	1914
1915	---	---	---	0.138	0.088	0.062	0.042	0.035	0.038	0.058	---	---	0.060	1915
1916	---	---	---	0.131	0.085	0.057	0.040	0.040	0.045	0.058	---	---	0.065	1916
MEAN	---	---	---	0.240	0.097	0.077	0.043	0.037	0.048	0.062	---	---	0.097	MEAN

LOCATION - LAT 49 41 42 N, LONG 106 54 56 W DRAINAGE AREA, 38.9 km^2, NATURAL FLOW

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1914 AND 1916

BONE CREEK AT LEWIS RANCH - STATION NO. 05MD003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1908	---	---	---	---	1908
1909	---	1.25 ON JUN 29	0.042 ON JUL 18	1 810	1909
1910	---	0.138 ON MAY 15	0.035 ON JUL 15	840	1910
1911	---	3.57 ON APR 10	0.033 ON AUG 18	2 480	1911
1912	---	4.25 ON APR 11 *	0.031 ON JUN 23	3 760	1912
1913	---	1.30 ON APR 5	0.031 ON JUL 31	1 520	1913
1914	---	0.833 ON APR 12	0.009 ON JUL 27 *	1 020	1914
1915	---	1.02 ON APR 3	0.015 ON MAY 5	1 110	1915
1916	---	0.268 ON APR 13	0.027 ON JUL 18	1 230	1916
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		1 780	MEAN

BOWREY DITCH NEAR BARNARD - STATION NO. 11AE004

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1931	---	0.027	0.083	0	0.010	0.043	---	---	---	---	---	---	---	1931
1936	---	---	0.094	---	---	---	---	---	---	---	---	---	---	1936
1937	---	---	---	0.181	---	---	---	---	---	---	---	---	---	1937
1938	---	---	0.116	0.002	0	0.143	---	---	---	---	---	---	---	1938
1939	---	---	0.008	0.078	---	0.030	0.002	---	---	---	---	---	---	1939
MEAN	---	0.027	0.070	0.080	0.005	0.069	0.002	---	---	---	---	---	---	MEAN

LOCATION - LAT 49 00 00 N, LONG 106 48 00 W REGULATED

BOXELDER CREEK AT HARGRAVE'S RANCH - STATION NO. 05AH050

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR FEB TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1986	---	---	---	---	---	0.045	0	0	1.03	1.28	0.838	---	---	1986
1987	---	0.383	0.808	1.20	0.047	0	0	0	0	0	---	---	0.346	1987
1988	---	0	0.005	0.017	0	0	0	0	0	0	---	---	0.002	1988
MEAN	---	0.197	0.306	0.609	0.024	0.015	0	0	0.343	0.427	0.838	---	0.124	MEAN

LOCATION - LAT 50 00 43 N
LONG 109 59 14 W

DRAINAGE AREA, 1 040 km²

BOXELDER CREEK NEAR WALSH - STATION NO. 05AH001

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR FEB TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1911	---	---	0.366	0.230	0.101	0.051	0.230	E	E.387	0.017	---	---	---	1911
1912	---	---	---	0.469	0.094	0.028	0	0	E	0	---	---	---	1912
1913	---	---	---	0.277	0.010	0	0	0	E	0	---	---	---	1913
1914	---	---	0.133	0.147	0.011	0	0	0	E	0.096	---	---	---	1914
1915	---	---	0.515	0.237	0.055	0.606	0.044	0	0	0	---	---	---	1915
1916	---	1.25	0.553	0.031	0.647	1.06	0.140	0.091	0	0.087	---	---	0.425	1916
1917	---	---	0.189	4.13	0.808	0.111	0	E	0	0	---	---	---	1917
1918	---	---	1.87	0.111	0.010	0	0	0	0	0	---	---	---	1918
1919	---	---	0.003	0.078	0	0	0	E	0	0	---	---	---	1919
1920	---	---	---	---	---	0	0	0.004	0	0	---	---	---	1920
1921	---	---	1.38	2.14	0.338	0.213	0.052	0.002	0.151	0	---	---	---	1921
1922	---	0.841	2.77	2.48	0.126	E	0	E	0	0	---	---	0.888	1922
1923	---	---	0.880	0.558	0.476	1.48	0.001	E	0	0	---	---	---	1923
1924	---	0.004	0	0.799	0.188	0.178	0.001	0	0	0	---	---	0.138	1924
1925	---	---	1.13	4.84	0.494	0.028	1.14	E	0	0	---	---	---	1925
1926	---	---	1.80	0.258	0.042	0	0	0.304	0	0	---	---	---	1926
1927	---	0.985	0.884	0.457	0.021	E	0	E	0	0	---	---	0.211	1927
1928	---	---	0.254	0.388	0	0	0	0	0	0	---	---	---	1928
1929	---	---	0.808	0.103	0.002	E.008	0.002	E	0	0	---	---	---	1929
1930	---	---	0.285	0.040	0.189	0	0	E	0	0	---	---	---	1930
1931	---	---	0	0	0	0	0	E	0	0	---	---	---	1931
1932	---	---	0.114	0.002	0	E.023	0	E	0	0	---	---	---	1932
1933	---	---	0.014	0	0	0.003	0.118	E	0	0	---	---	---	1933
1934	---	---	0	0	0.248	0.063	0	E	0	0	---	---	---	1934
1935	---	---	0.048	1.83	0.033	E.421	0.043	0	0	0	---	---	---	1935
1936	---	---	0.718	0.230	0.111	0	0	0	0	0	---	---	---	1936
1937	---	---	1.28	0.788	2.35	0.030	0	E	0	0	---	---	---	1937
1938	---	---	0.047	0.036	0.011	0	0	0	0	0	---	---	---	1938
1939	---	---	1.12	0.258	0	0	0	0	0	0	---	---	---	1939
1970	---	---	0.320	0.671	0.118	E.081	0	0	0	0	---	---	---	1970
1971	---	1.78	0.358	0.389	0.003	E.008	0	0	0	0	---	---	0.285	1971
1972	---	---	0.832	0	0	0	0	E	0	0	---	---	---	1972
1973	---	0.003	0.008	0.048	0.008	0	0	0	0	0	---	---	0.008	1973
1974	---	---	0.204	0.118	0.218	E.006	0	E	0	0	---	---	---	1974
1975	---	---	0	0.820	1.31	0.432	0.025	0	0	0	---	---	---	1975
1976	---	---	0.478	0.086	0	0.041	0	0	0	0	---	---	---	1976
1977	---	---	0	0	0	E	0	E	0	0	---	---	---	1977
1978	---	---	0.748	0.243	0.017	0	0	E	0	0	0	---	---	1978
1979	---	---	1.39	0.388	0.187	E	0.006	0	0	0	---	---	---	1979
1980	---	---	0.099	0	0	0	0	E	0	0	---	---	---	1980
1981	---	0.055	0	0	0	E.116	0	0	0	0	---	---	0.018	1981
1982	---	0.188	0.228	0.585	0.077	0.884	0.001	0	0	0	---	---	0.182	1982
1983	---	0.821	0.007	0.011	0.218	E	0.087	0	0	0	---	---	0.060	1983
1984	---	0.001	0	0	0	0	0	E	0	0	---	---	0	1984
1985	---	0.005	0.098	0.602	0.081	0	0	E	0	0	---	---	0.074	1985
1986	---	0.228	0.113	0	0.188	E	0	0	0.765	0.078	0.147	---	0.146	1986
1987	---	0.080	0.107	0.181	0	0	0	0	0	0	---	---	0.042	1987
1988	---	0	0	0	0	0	0	E	0	0	---	---	0	1988
MEAN	---	0.381	0.470	0.519	0.185	0.117	0.040	0.008	0.027	0.008	0.076	---	0.180	MEAN

LOCATION - LAT 49 57 20 N
LONG 109 58 19 W

DRAINAGE AREA, 318 km²
REGULATED

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1918, 1957, 1983, 1971

BRADWELL INLET CANAL ABOVE BRADWELL RESERVOIR - STATION NO. 05HG010

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1968	---	---	---	---	0	0.237	0	0	0	0.681	0	---	---	1968
1969	---	---	---	---	0	0.277	0.490	0.418	0	0	0	---	---	1969
1970	---	---	---	---	---	0.054	0.432	0.238	---	---	---	---	---	1970
1971	---	---	0	0	0.182	0	0.036	0.398	0	0	---	---	0.078	1971
1972	---	---	0	0	0	0	0	E	0.670	0.550	---	---	0.162	1972
1973	---	---	0	0	0	0	0	0.368	0.444	0	---	---	0.100	1973
1974	---	---	---	---	0.088	0.185	0	0.036	0.335	---	---	---	---	1974
1975	---	---	---	---	---	---	---	---	0.388	0.227	---	---	---	1975
1976	---	---	---	0.230	0.188	0.185	---	0.120	0.258	---	---	---	---	1976
1977	---	---	---	---	0.128	0.324	0	0.103	0.371	---	---	---	---	1977
1978	---	---	0	0	0	0	0.058	0.192	0.803	0.174	---	---	0.115	1978
1979	---	---	0	0	0	0	0	0.093	0.578	0.020	---	---	0.085	1979
1980	---	---	0	0	0	0	0	0.332	0.416	0	---	---	0.083	1980
1981	---	---	0	0	0.017	0	0.230	0.521	0.440	0	---	---	0.151	1981
1982	---	---	0	0	0.093	0.084	0.159	0.265	0.387	0	---	---	0.124	1982
1983	---	---	0	0	0	0.031	0.347	0.230	0	0	---	---	0.077	1983
1984	---	---	0	0	0.260	0.437	0.284	0.448	0.329	0	---	---	0.218	1984
MEAN	---	---	0	0.021	0.061	0.114	0.128	0.235	0.318	0.127	0	---	0.118	MEAN

LOCATION - LAT 51 54 38 N
LONG 106 13 54 W
REGULATED

DATA CONTRIBUTED BY - SASKATCHEWAN DEPARTMENT OF THE ENVIRONMENT

BRADWELL INLET CANAL ABOVE BRADWELL RESERVOIR - STATION NO. 05HG010

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1968	---	0.857 ON JUN 19	0 ON MAY 1 *	---	1968
1969	---	0.790 ON AUG 25	0 ON MAY 1	---	1969
1970	---	0.678E ON AUG 8	0 ON JUN 1	---	1970
1971	---	0.683 ON MAY 15	0 ON MAR 1	1 600	1971
1972	---	1.23 ON OCT 15 *	0 ON MAR 1	3 210	1972
1973	---	0.883 ON SEP 20	0E ON MAR 1	2 110	1973
1974	---	0.808E ON MAY 29	0E ON MAY 1	---	1974
1975	---	0.615 ON SEP 19	0 ON SEP 15	---	1975
1976	---	0.770 ON JUN 17	0 ON APR 1	---	1976
1977	---	0.843 ON JUN 8	0 ON MAY 1	---	1977
1978	---	1.08 ON SEP 11	0 ON MAR 1	2 430	1978
1979	---	0.771 ON SEP 10	0 ON MAR 1	1 780	1979
1980	---	0.878 ON SEP 5	0 ON MAR 1	1 970	1980
1981	---	0.885 ON AUG 11	0 ON MAR 1	3 190	1981
1982	---	0.793 ON SEP 18	0 ON MAR 1	2 630	1982
1983	---	0.516 ON AUG 13	0 ON MAR 1	1 630	1983
1984	---	0.703E ON SEP 22	0 ON MAR 1	4 590	1984
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		2 510	MEAN

E - ESTIMATED

BRANIFF DITCH NEAR PIAPOT - STATION NO. 05HA038

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1911	---	---	---	---	---	---	---	---	---	---	---	---	---	1911
1912	---	---	---	---	---	---	---	---	---	---	---	---	---	1912
1915	---	---	---	---	---	---	---	---	---	---	---	---	---	1915
1916	---	---	---	---	---	---	---	---	---	---	---	---	---	1916
1917	---	---	---	---	---	---	0	---	---	---	---	---	---	1917
1918	---	---	---	---	---	---	---	---	---	---	---	---	---	1918
1919	---	---	0	0	0.060	0.037	0	0	0	0	---	---	0.012	1919
1920	---	---	0	0	0.077	0.074	0.005	0	0	0	---	---	0.018	1920
1921	---	---	0	0	0.033	0.083	0	0	0	0	---	---	0.011	1921
MEAN	---	---	0	0	0.063	0.058	0.001	0	0	0	---	---	0.014	MEAN

LOCATION - LAT 49 58 17 N
LONG 105 07 48 W
REGULATED

BRANIFF DITCH NEAR PIAPOT - STATION NO. 05HA038

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1911	---	---	0 ON JUN 22 *	---	1911
1912	---	---	0 ON JUN 19	---	1912
1915	---	---	0R ON APR 3	---	1915
1916	---	---	0R ON AUG 30	---	1916
1917	---	---	0 ON JUN 19	---	1917
1918	---	---	0R ON MAY 2	---	1918
1919	---	0.231 ON MAY 23 *	0 ON MAR 1	268	1919
1920	---	0.081 ON MAY 4	0 ON MAR 1	411	1920
1921	---	0.074 ON JUN 14	0 ON MAR 1	223	1921
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		287	MEAN

R - REVISED SINCE JAN 01 1987

BREED CREEK NEAR BUZZARD'S RANCH - STATION NO. 11AC026

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1914	---	---	---	0.487	0.010	0.048	0	0	0	0	---	---	---	1914
1915	---	---	---	0.449	0.029	---	---	0	0	0	---	---	---	1915
1916	---	---	---	3.42	0.473	---	---	---	---	---	---	---	---	1916
MEAN	---	---	---	1.45	0.171	0.048	0	0	0	0	---	---	---	MEAN

LOCATION - LAT 49 05 10 N LONG 107 24 24 W DRAINAGE AREA, 300 km²
NATURAL FLOW

BREED CREEK NEAR BUZZARD'S RANCH - STATION NO. 11AC026

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1914	---	---	0 ON MAY 24 *	---	1914
1915	---	3.86 ON APR 3	0 ON MAY 2	---	1915
1916	---	10.3 B ON MAR 28 *	---	---	1916
				---	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

BRIDGE CREEK AT GULL LAKE - STATION NO. 05HA015

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1911	---	---	---	---	0.008	0	0	0	0	0	---	---	---	1911
1912	---	---	---	---	---	0.031	0.001	0	0	0	---	---	---	1912
1913	---	---	---	---	---	0	0	0	0	0	---	---	---	1913
1914	---	---	---	---	0	0.022	0	0	0	0	---	---	---	1914
1915	---	---	---	0.027	0	0	0.001	0	0	0	---	---	---	1915
1916	---	---	1.73	0.818	0.115	0.884	0.775	0.078	0.001	0.014	---	---	0.481	1916
1917	---	---	0	3.54	0.857	0.021	0	0	0	0	---	---	0.557	1917
1918	---	---	1.78	0.842	0.008	0	0	0	0	0	---	---	0.302	1918
1919	---	---	0.007	0.081	0	---	---	---	---	---	---	---	---	1919
1920	---	---	0.363	0.321	0.034	0.018	E	0	0	0	---	---	0.080	1920
1921	---	---	0.103	0.020	0	0	0	0	0.008	0	---	---	0.018	1921
1922	---	---	0.330	1.58	0.330	0.284	E.012	0.002	0.008	0	---	---	0.311	1922
1923	---	---	0.218	0.018	0	0	0.004	0	0	0	---	---	0.030	1923
1924	---	---	0.008	0.003	0	0	0	0	0	0	---	---	0.001	1924
1925	---	---	0.020	1.91	0.078	0.058	0.028	0	0	0	---	---	0.258	1925
1926	---	---	0.883	0.276	0.043	0.030	0.011	0.001	0	0	---	---	0.128	1926
1927	---	---	0.784	1.88	1.14	0.060	0	0	0	0	---	---	0.478	1927
1928	---	---	0.080	0	0	0	0	0	0	0	---	---	0.010	1928
1929	---	---	0.289	1.43	0.114	0	0.022	0	0	0	---	---	0.330	1929
1930	---	---	E.585	0.859	0.118	0.010	0	0	0	0	---	---	0.204	1930
1931	---	---	0.420	1.51	0.174	0.003	0	0	0	0	---	---	0.280	1931
1932	---	---	E.144	0	0.002	0	0	0	0	0	---	---	0.018	1932
1933	---	---	0.048	0.001	0	0	0	0	0	0	---	---	0.008	1933
1934	---	---	0.177	0.418	0.212	0.082	0.012	0	0	0	---	---	0.113	1934
1935	---	---	0.001	0.488	0.944	0.048	0	0	0	0	---	---	0.188	1935
1936	---	0.003	0.788	0.257	0.018	0.002	0	0	0	0	---	---	0.131	1936
1937	---	---	0	0	0	0	0	0	0	0	---	---	0	1937
1938	---	---	0.274	0.171	0.058	0.005	0	0	0	0	---	---	0.063	1938
1939	---	---	0.284	0.763	0.288	0.008	0	0	0	0	---	---	0.172	1939
1940	---	---	0.022	0.009	0	0	0	0	0	0	---	---	0.004	1940
1941	---	0.091	0	0	0	0.002	0	0	0	0	---	---	0	1941
1942	---	0.101	0.186	0.543	0.088	0.782	0.305	0.031	0	0	---	---	0.235	1942
1943	---	---	0.178	0.888	0.246	0.053	0	0	0	0	---	---	0.142	1943
1944	---	---	0	0	0	0	0	0	0	0	---	---	0	1944
1945	---	---	0.278	0.421	0.074	0.001	0	0	0	0	---	---	0.098	1945
1946	---	0.130	0.084	0.008	0.042	0.001	0.014	0	0	0	---	---	0.020	1946
1947	---	0.049	0.048	0.174	0.024	0	0	0	0	0	---	---	0.032	1947
1948	---	---	0	0	0	0	0	0	0	0	---	---	0	1948
MEAN	---	0.089	0.287	0.552	0.142	0.067	0.022	0.003	0	0	---	---	0.143	MEAN

LOCATION - LAT 50 05 35 N LONG 108 20 36 W DRAINAGE AREA, 378 km²
NATURAL FLOW

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1948

BRIDGE CREEK AT GULL LAKE - STATION NO. 05HA015

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1911	---	---	0 ON MAY 11 *	---	1911
1912	---	---	0 ON JUN 27	---	1912
1913	---	---	0 ON MAY 31	---	1913
1914	---	---	0 ON APR 18	---	1914
1915	---	1.83 ON MAR 24	0 ON APR 18	---	1915
1916	---	3.68 ON MAR 27	0 ON AUG 8	10 400	1916
1917	---	7.14 B ON APR 13 *	0E ON MAR 1	11 600	1917
1918	---	4.78 ON MAR 23	0E ON MAR 1	8 390	1918
1919	---	0.8839 ON APR 1	0E ON MAR 1	---	1919
1920	---	1.56 B ON MAR 22	0E ON MAR 1	1 820	1920
1921	---	0.7858 ON MAR 25	0E ON MAR 10	344	1921
1922	---	3.74 ON APR 5	0E ON MAR 1	6 890	1922
1923	---	0.986 ON MAR 22	0 ON APR 17	638	1923
1924	---	0.0578 ON MAR 16	0E ON MAR 1	31.7	1924
1925	---	6.14 ON APR 13	0E ON MAR 2	5 430	1925
1926	---	1.36 B ON MAR 19	0E ON MAR 5	2 710	1926
1927	---	5.12 B ON MAR 28	0E ON MAR 1	10 100	1927
1928	---	0.4138 ON MAR 1	0E ON MAR 11	215	1928
1929	---	3.98 B ON APR 2	0E ON MAR 1	4 870	1929
1930	---	2.11 ON APR 7	0E ON MAR 1	4 320	1930
1931	---	4.13 B ON APR 1	0E ON MAR 1	5 610	1931
1932	---	1.41 B ON MAR 15	0E ON MAR 1	384	1932
1933	---	0.2588 ON MAR 8	0E ON MAR 18	131	1933
1934	2.38 B AT 15:08 CST ON MAR 30	1.65 B ON MAR 31	0E ON MAR 1	2 380	1934
1935	2.81 AT 10:10 CST ON APR 23	2.36 ON APR 23	0E ON MAR 1	3 860	1935
1936	6.81 B AT 23:26 CST ON MAR 19 *	4.79 B ON MAR 20	0E ON MAR 11	2 770	1936
1937	---	0.0019 ON APR 5	0E ON MAR 1	0.09	1937
1938	---	1.31 B ON MAR 23	0E ON MAR 1	1 340	1938
1939	1.79 AT 13:14 CST ON APR 20	1.81 ON APR 20	0E ON MAR 1	3 830	1939
1940	0.1088 AT 18:21 CST ON MAR 30	0.0778 ON MAR 30	0E ON MAR 8	83.0	1940
1941	---	0.011 ON JUN 18	0E ON MAR 3	5.98	1941
1942	2.76 AT 20:37 CST ON JUN 7	2.68 ON JUN 8	0 ON AUG 23	4 570	1942
1943	4.80 B AT 11:59 CST ON APR 1	4.15 ON APR 1	0 ON JUN 21	3 010	1943
1944	0 AT 00:00 CST ON MAR 1	0 B ON MAR 1	0E ON MAR 1	0	1944
1945	4.25 B AT 13:46 CST ON APR 3	2.23 B ON APR 3	0E ON MAR 1	2 070	1945
1946	---	0.3788 ON MAR 1	0 ON APR 28	424	1946
1947	0.848 AT 08:36 CST ON APR 1	0.766 ON APR 1	0 ON MAY 23	870	1947
1948	---	0 ON MAR 1	0 ON MAR 1	0	1948
	B - ICE CONDITIONS E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		3 030	MEAN

BRIDGE CREEK AT RAYMOND'S RANCH - STATION NO. 05HA013

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1911	---	---	---	---	0.019	0.011	0.008	0.007	0.013	---	---	---	---	1911
1912	---	---	---	0.088	0.051	0.024	0.008	0.008	0.007	0.010	---	---	---	1912
1913	---	---	---	0.067	0.007	0.002	0.004	0.002	0.004	0.005	---	---	---	1913
1914	---	---	0.300	0.043	0.008	0.004	0	0.001	0.011	0.030	---	---	0.050	1914
1915	---	---	---	0.135	0.078	0.053	0.024	0.005	0.016	0.022	---	---	---	1915
1916	---	---	---	0.087	0.026	0.024	0.008	0.013	0.013	0.021	---	---	---	1916
MEAN	---	---	0.300	0.088	0.031	0.020	0.018	0.008	0.011	0.018	---	---	0.050	MEAN

LOCATION - LAT 49 51 33 N DRAINAGE AREA, 11.4 km^2
LONG 108 56 12 W REGULATED

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1913, 1914 AND 1916

BRIDGE CREEK AT RAYMOND'S RANCH - STATION NO. 05HA013

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1911	---	---	---	---	1911
1912	---	---	---	---	1912
1913	---	---	0 ON JUN 10 *	---	1913
1914	---	0.8818 ON MAR 4 *	0 ON MAY 30	1 080	1914
1915	---	---	---	---	1915
1916	---	---	---	---	1916
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		1 080	MEAN

BRIDGE CREEK NEAR SKULL CREEK - STATION NO. 05HA001

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1909	---	---	---	---	---	---	---	0.003	0.001	0.003	---	---	---	1909
1910	---	---	---	0.023	0.004	0	0	0	0	0	---	---	---	1910
1911	---	---	---	---	0.011	0.001	0.004	0	0.020	---	---	---	---	1911
1912	---	---	---	---	0.052	0.018	0	0	---	---	---	---	---	1912
1913	---	---	---	0.143	0.011	0	0	---	---	---	---	---	---	1913
1914	---	---	---	0.047	0.005	0	0	0	0	0	---	---	---	1914
MEAN	---	---	---	0.064	0.017	0.004	0.001	0.001	0.005	0.001	---	---	---	MEAN

LOCATION - LAT 49 54 04 N LONG 108 53 00 W DRAINAGE AREA, 33.8 km² REGULATED

BRIDGE CREEK NEAR SKULL CREEK - STATION NO. 05HA001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1909	---	---	0 ON AUG 12 *	---	1909
1910	---	---	0 ON JUN 2	---	1910
1911	---	---	0 ON JUN 10	---	1911
1912	---	---	0 ON JUN 12	---	1912
1913	---	---	0 ON MAY 26	---	1913
1914	---	---	0E ON MAR 24	---	1914
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

BRIGHTWATER CREEK BELOW BRIGHTWATER RESERVOIR - STATION NO. 05HG018

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1987	---	---	0	0	1.13	0	0	0	0	0	---	---	0.143	1987
1988	---	---	0	1.82	0	0	0	0	0	0	---	---	0.188	1988
1989	---	---	0	4.30	0	0	0	0	0	0	---	---	0.528	1989
1970	---	---	0	2.01	0.484	0	0	0	0	0	---	---	0.348	1970
1971	---	---	0	0.841	0.977	0	0	0	0	0	---	---	0.180	1971
1972	---	---	0	2.13	0.385	0	0	0	0	0	---	---	0.307	1972
1973	---	---	0	2.34	0	0	0	0	0	0	---	---	0.286	1973
1974	---	---	0.873	---	---	---	---	---	---	---	---	---	---	1974
1975	---	---	---	---	1.98	---	---	---	---	---	---	---	---	1975
1976	---	---	---	3.07	0	5.08	---	---	---	---	---	---	---	1976
1977	---	---	---	1.83	---	---	---	---	---	---	---	---	---	1977
1978	---	---	0	1.73	0.250	0	0	0	0	0	---	---	0.264	1978
1980	---	---	0	2.85	0	0	0	0	0	0	---	---	0.348	1980
1981	---	---	0	2.27	0.388	0	0	0	0	0	---	---	0.328	1981
1982	---	---	0	2.30	1.12	0	0	0	0	0	---	---	0.424	1982
1983	---	---	0	2.04	0.458	0	0	0	0	0	---	---	0.307	1983
1984	---	---	0	2.25	0.398	0	0	0	0.283	0	---	---	0.383	1984
MEAN	---	---	0.041	2.07	0.504	0.381	0	0	0.023	0	---	---	0.308	MEAN

LOCATION - LAT 51 37 08 N LONG 108 32 42 W DRAINAGE AREA, 1 530 km² REGULATED SINCE 1987 DATA CONTRIBUTED BY - SASKATCHEWAN DEPARTMENT OF THE ENVIRONMENT

BRIGHTWATER CREEK BELOW BRIGHTWATER RESERVOIR - STATION NO. 05HG018

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1987	---	3.23 ON MAY 15	0 ON MAR 1 *	3 040	1987
1988	---	4.02 ON APR 4	0 ON MAR 1	4 200	1988
1989	---	38.8 ON APR 11 *	0 ON MAR 1	11 100	1989
1970	---	13.2 ON APR 8	0 ON MAR 1	5 540	1970
1971	---	5.72 ON APR 30	0 ON MAR 1	4 020	1971
1972	---	4.80 ON APR 21	0 ON MAR 1	5 500	1972
1973	---	4.84 ON APR 13	0E ON MAR 1	5 050	1973
1974	---	34.5 ON APR 23	0E ON MAR 1	---	1974
1975	---	---	---	---	1975
1976	---	20.1 ON JUN 11	0 ON APR 1	---	1976
1977	---	---	---	---	1977
1978	---	5.83 ON APR 21	0E ON MAR 1	5 180	1978
1980	---	7.29 ON APR 10	0B ON MAR 1	7 400	1980
1981	---	5.80 ON APR 8	0 ON MAR 1	5 810	1981
1982	---	5.54 ON APR 20	0 ON MAR 1	5 980	1982
1983	---	4.53 ON APR 7	0 ON MAR 1	5 510	1983
1984	---	4.15 ON APR 4	0 ON MAR 1	7 880	1984
	B - ICE CONDITIONS E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		5 470	MEAN

BRIGHTWATER CREEK NEAR KENASTON - STATION NO. 05HG002

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1980	---	---	0.005	2.81	0	0	0	0	0	0	---	---	0.320	1980
1981	---	---	0	0	0	0	0	0	0	0	---	---	0	1981
1982	---	---	0	0.068	0	0	0	0	0	0	---	---	0.011	1982
1983	---	---	0.258	0.018	0	0	0	0	0	0	---	---	0.048	1983
1984	---	---	0	0.068	0.002	0	0.026	0	0	0	---	---	0.012	1984
1985	---	---	0	1.46	0.058	0.244	0.030	0	0	0	---	---	0.220	1985
1986	---	---	0.761	0.323	0.001	0	0	0	0	0	---	---	0.138	1986
1987	---	---	0	0.357	0.226	0	0	0	0	0	---	---	0.073	1987
1988	---	---	0.894	0.034	0.001	0	0	0	0	0	---	---	0.118	1988
1989	---	---	0	3.37	0.011	0	0	0	0	0	---	---	0.414	1989
1970	---	---	0.481	1.84	0.026	0	0.014	0	0	0	---	---	0.284	1970
1971	---	---	0	0.843	0.041	0.008	0.001	0	0	0	---	---	0.122	1971
1972	---	---	0.228	0.226	0.015	0	0	0	0	0	---	---	0.080	1972
1973	---	---	0.008	0.028	0.003	0	0.039	0	0	0	---	---	0.010	1973
1974	---	---	0	7.82	0.314	0.028	0	0	0	0	---	---	1.00	1974
1975	---	---	0	0.291	0.050	0	0	0	0	0	---	---	0.042	1975
1976	---	---	0	3.39	0.018	4.15	0.125	0.001	0	0	---	---	0.841	1976
1977	---	---	0	0	0	0	0	0	0	0	---	---	0	1977
1978	---	---	0.083	0.180	0.003	0	0	0	0	0	---	---	0.032	1978
1979	---	---	0	3.88	0.110	0.006	0	0	0	0	---	---	0.802	1979
1980	---	---	0.481	0.171	0	0	0	0	0	0	---	---	0.078	1980
1981	---	---	0	0.017	0	0.034	0	0	0	0	---	---	0.008	1981
1982	---	---	0	0.710	0.058	0.081	0	0	0	0	---	---	0.104	1982
1983	---	---	0.003	0.003	0.001	0	1.25	0.338	0	0	---	---	0.203	1983
1984	---	---	0.208	0.027	0	0	0	0	0	0	---	---	0.030	1984
1985	---	---	0	1.58	0.030	0	0	0	0	0	---	---	0.210	1985
1986	---	---	0.583	0.075	0.002	0	0	0	0	0	---	---	0.098	1986
1987	---	---	0.802	0.472	0.001	0	0	0	0	0	---	---	0.134	1987
1988	---	---	0.070	0.021	0	0	0	0	0	0	---	---	0.012	1988
MEAN	---	---	0.166	1.03	0.034	0.157	0.051	0.012	0	0	---	---	0.178	MEAN

LOCATION - LAT 51 33 45 N DRAINAGE AREA, 900 km²
LONG 106 30 03 W REGULATED

REMARKS - RECORDS COLLECTED AT SOUTH BOUNDARY OF 26-29-4-W3 IN 1980 AND IN NE03-30-04-W3 FROM 1981-74

BRIGHTWATER CREEK NEAR KENASTON - STATION NO. 05HG002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1980	---	24.6 B ON APR 4	0B ON MAR 1 *	5 760	1980
1981	0 AT 13:00 CST ON MAY 12	0 ON MAR 1	0 ON MAR 1	0	1981
1982	---	0.3268 ON APR 12	0B ON MAR 1	224	1982
1983	---	3.51 B ON MAR 24	0B ON MAR 1	1 010	1983
1984	1.28 B AT 15:00 CST ON APR 4	0.4268 ON APR 5	0B ON MAR 1	248	1984
1985	---	11.3 B ON APR 11	0B ON MAR 1	4 880	1985
1986	---	6.71 B ON MAR 29	0B ON MAR 1	2 850	1986
1987	---	2.72 B ON APR 25	0B ON MAR 1	1 540	1987
1988	11.3 B AT 07:00 CST ON MAR 6	8.33 B ON MAR 6	0B ON MAR 1	2 480	1988
1989	24.2 B AT 05:00 CST ON APR 10	20.0 B ON APR 10	0B ON MAR 1	5 760	1989
1970	11.8 AT 13:30 CST ON APR 7	10.8 ON APR 7	0B ON MAR 1	5 590	1970
1971	11.7 B AT 04:40 CST ON APR 12	7.25 B ON APR 12	0B ON MAR 1	2 550	1971
1972	3.74 B AT 10:00 CST ON MAR 27	1.99 B ON MAR 28	0B ON MAR 1	1 250	1972
1973	1.19 AT 18:15 CST ON JUL 1	0.467 ON JUL 2	0B ON MAR 1	208	1973
1974	77.9 AT 04:48 CST ON APR 21 *	64.4 ON APR 20 *	0B ON MAR 1	21 200	1974
1975	3.99 AT 02:28 CST ON APR 20	2.02 ON APR 20	0B ON MAR 1	885	1975
1976	37.7 AT 11:28 CST ON JUN 10	34.8 ON JUN 10	0B ON MAR 1	20 000	1976
1977	0.082 AT 11:03 CST ON MAY 5	0.005 ON MAY 5	0 ON MAR 1	0.43	1977
1978	2.24 B AT 20:56 CST ON MAR 28	1.28 B ON MAR 30	0B ON MAR 1	673	1978
1979	30.3 AT 17:43 CST ON APR 18	27.2 ON APR 18	0B ON MAR 1	10 800	1979
1980	4.52 B AT 18:57 CST ON MAR 28	4.04 B ON MAR 28	0B ON MAR 1	1 850	1980
1981	1.67 AT 17:32 CST ON JUN 20	0.453 ON JUN 21	0B ON MAR 1	133	1981
1982	8.44 AT 17:24 CST ON APR 13	6.37 A ON APR 13	0B ON MAR 1	2 210	1982
1983	18.6 AT 10:32 CST ON JUL 10	8.84 ON JUL 10	0B ON MAR 1	4 290	1983
1984	1.63 B AT 05:25 CST ON MAR 24	1.38 B ON MAR 24	0B ON MAR 1	827	1984
1985	19.0 B AT 08:43 CST ON APR 3	18.6 B ON APR 3	0B ON MAR 1	4 440	1985
1986	3.30 B AT 14:15 CST ON MAR 6	2.55 B ON MAR 5	0 ON MAY 6	2 030	1986
1987	4.86 B AT 05:57 CST ON APR 1	4.04 B ON APR 1	0B ON MAR 1	2 830	1987
1988	0.741 AT 14:23 CST ON MAR 28	0.5468 ON MAR 28	0 ON MAR 1	264	1988
				3 780	MEAN

A - MANUAL GAUGE B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD
(SEE REFERENCE INDEX)

BRIGHTWATER CREEK NEAR PROCTOR LAKE - STATION NO. 05HG020

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1978	---	---	0	1.20	0.335	0	0	0	0	0	---	---	0.198	1978
1979	---	---	---	---	0.855	0	0	0	0	0	---	---	---	1979
1980	---	---	0.028	2.15	0	0	0	0	0	0	---	---	0.266	1980
1981	---	---	0	1.83	0.007	0	0	0	0	0	---	---	0.225	1981
1982	---	---	0	1.84	0.325	0	0	0	0	0	---	---	0.276	1982
1983	---	---	0	1.76	0.034	0	0	0	0	0	---	---	0.217	1983
1984	---	---	0	1.75	0.002	0	0	0	0	0	---	---	0.215	1984
1985	---	---	0	3.38	0.321	0.002	0	0	0	0	---	---	0.456	1985
1986	---	---	1.06	0.786	0	0	0.002	0	0	0	---	---	0.231	1986
1987	---	---	0.064	2.14	0.003	---	---	---	---	---	---	---	---	1987
MEAN	---	---	0.128	1.88	0.187	0	0	0	0	0	---	---	0.261	MEAN

LOCATION - LAT 51 42 49 N
LONG 106 36 36 W
DRAINAGE AREA, 1 750 km²
REGULATED

BRIGHTWATER CREEK NEAR PROCTOR LAKE - STATION NO. 05HG020

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1978	4.42 AT 18:44 CST ON APR 23	4.22 ON APR 23	0E ON MAR 1 *	4 220	1978
1979	---	---	0 ON MAY 15	---	1979
1980	5.93 AT 09:45 CST ON APR 11	5.908 ON APR 10	0B ON MAR 1	5 630	1980
1981	5.50 AT 12:00 CST ON APR 8	5.40 ON APR 8	0B ON MAR 1	4 780	1981
1982	7.04 AT 08:12 CST ON APR 17	5.15 ON APR 17	0B ON MAR 1	5 690	1982
1983	5.048 AT 00:00 CST ON APR 8	4.958 ON APR 8	0 ON MAR 1	4 600	1983
1984	4.02 AT 15:36 CST ON APR 18	3.91 ON APR 18	0B ON MAR 1	4 540	1984
1985	10.6 AT 08:26 CST ON APR 8 *	10.6 ON APR 8 *	0B ON MAR 1	9 640	1985
1986	4.188 AT 21:30 CST ON MAR 23	3.988 ON MAR 24	0B ON MAR 1	4 900	1986
1987	5.698 AT 08:26 CST ON APR 3	5.219 ON APR 3	0B ON MAR 1	---	1987
				5 820	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BRODERICK IRRIGATION PROJECT MAIN CANAL ABOVE BRODERICK RESERVOIR - STATION NO. 05HF005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1987	---	---	---	---	---	---	5.73	7.37	8.12	8.05	4.08	---	---	1987
MEAN	---	---	---	---	---	---	5.73	7.37	8.12	8.05	4.08	---	---	MEAN

LOCATION - LAT 51 27 45 N
LONG 108 55 00 W
REGULATED

BRODERICK IRRIGATION PROJECT MAIN CANAL ABOVE BRODERICK RESERVOIR - STATION NO. 05HF005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1987	---	8.03 ON JUL 23 *	---	---	1987
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

BRODERICK IRRIGATION PROJECT MAIN CANAL BELOW PUMPING STATION - STATION NO. 05HF007

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1967	---	---	---	---	---	---	5.88	7.31	7.78	5.06	3.90	---	---	1967
1968	---	---	---	---	0.815	3.10	4.42	3 360	0.033	---	---	---	---	1968
1969	---	---	---	---	1.61	4.97	2.25	0.824	0.458	0	0	---	---	1969
1970	---	---	---	---	0.286	0.889	2.44	0.811	0.187	0.008	---	---	---	1970
1971	---	---	0	0	1.06	2.03	2.25	0.928	1.12	0.491	---	---	1.18	1971
1972	---	---	0	0	2.82	3.45	5.04	4.18	3.50	0.422	---	---	2.44	1972
1973	---	---	0	3.18	2.84	4.65	4.95	4.95	4.63	0.111	---	---	3.14	1973
1974	---	---	---	---	---	1.98	4.90	1.90	0.088	1.41	---	---	---	1974
1975	---	---	---	---	2.50	4.84	6.37	2.78	3.83	---	---	---	---	1975
1976	---	---	---	---	2.78	3.48	4.50	4.68	0.718	---	---	---	---	1976
1977	---	---	---	---	4.28	6.48	12.6	5.35	4.30	---	---	---	---	1977
1978	---	---	0	0	3.84	8.35	10.4	8.12	4.78	0	---	---	4.18	1978
1979	---	---	0	0	0.155	3.48	10.8	8.25	3.57	0	---	---	3.01	1979
1980	---	---	0	0	8.28	10.3	13.2	8.08	6.04	0	---	---	5.24	1980
1981	---	---	0	0	7.80	8.74	13.1	8.29	7.58	0	---	---	5.05	1981
1982	---	---	0	0	4.63	3.00	9.58	5.53	3.95	0	---	---	3.34	1982
1983	---	---	0	0	4.29	8.18	5.33	5.68	2.06	0	---	---	3.19	1983
1984	---	---	0	0	7.42	9.30	13.1	13.0	7.51	0	---	---	6.30	1984
1985	---	---	0	0	0.974	8.48	14.2	10.2	2.84	0	---	---	4.58	1985
1986	---	---	0	0	2.95	7.88	12.6	3.99	2.35	0	---	---	3.75	1986
1987	---	---	0	0	5.08	10.3	11.1	2.70	3.20	0	---	---	4.17	1987
1988	---	---	0	0	8.84	13.4	16.1	12.0	7.51	0	---	---	7.34	1988
MEAN	---	---	0	0.227	3.98	5.81	8.45	5.10	3.53	0.583	1.95	---	4.07	MEAN

LOCATION - LAT 51 17 07 N
LONG 108 50 10 W
REGULATED

BRODERICK IRRIGATION PROJECT MAIN CANAL BELOW PUMPING STATION - STATION NO. 05MF007

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1967	---	6.27 ON AUG 28	0 ON JUL 1 *	---	1967
1968	---	5.04 ON JUL 18	0 ON MAY 1	---	1968
1969	---	5.27 ON JUL 24	0 ON MAY 1	---	1969
1970	---	5.13 ON JUL 1	0 ON MAY 1	---	1970
1971	---	5.36 ON JUL 21	0 ON MAR 1	25 000	1971
1972	---	5.13 ON JUN 29	0 ON MAR 1	51 700	1972
1973	---	4.88 ON JUL 20	0E ON MAR 1	88 800	1973
1974	---	5.04 ON JUL 8	0E ON JUN 1	---	1974
1975	---	8.83 ON JUL 23	0 ON MAY 1	---	1975
1976	---	10.1 ON AUG 3	0 ON MAY 1	---	1976
1977	---	14.0 ON JUL 7	0 ON SEP 6	---	1977
1978	---	15.8 ON JUL 17	0 ON MAR 1	88 800	1978
1979	---	10.8 ON JUL 8	0 ON MAR 1	63 700	1979
1980	---	15.6 ON JUL 16	0 ON MAR 1	111 000	1980
1981	---	16.1 ON JUL 27	0 ON MAR 1	107 000	1981
1982	---	11.0 ON JUL 31	0 ON MAR 1	70 800	1982
1983	---	9.95 ON JUL 8	0 ON MAR 1	67 500	1983
1984	---	13.7 ON JUL 5	0 ON MAR 1	124 000	1984
1985	---	14.6 ON JUN 25	0 ON MAR 1	95 800	1985
1986	---	15.6 ON JUL 14	0 ON MAR 1	79 500	1986
1987	---	14.2 ON JUL 1	0 ON MAR 1	88 200	1987
1988	---	17.0 ON JUL 8 *	0 ON MAR 1	155 000	1988
				86 100	MEAN

E - ESTIMATES

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BROKENSHELL CREEK NEAR TROSSACHS - STATION NO. 05JE008

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1969	---	---	---	3.99	---	---	---	---	---	---	---	---	---	1969
1970	---	---	---	2.37	2.26	0.011	---	---	---	---	---	---	---	1970
1971	---	---	---	3.17	---	---	---	---	---	---	---	---	---	1971
1973	---	---	---	0.223	---	---	---	---	---	---	---	---	---	1973
1974	---	---	---	3.56	0.558	0.161	---	---	---	---	---	---	---	1974
1975	---	---	0.002	3.84	0.284	0.002	0.002	0	0	0	---	---	0.507	1975
1976	---	---	1.50	3.71	0.007	2.03	0.004	0	0	0	---	---	0.883	1976
1977	---	---	0	0	0	0	0	0	0	0	---	---	0	1977
1978	---	---	1.24	0.302	0.011	0.033	0.388	0	0	0	---	---	0.248	1978
1979	---	---	0.214	3.85	1.04	0.008	0	0	0	0	---	---	0.532	1979
1980	---	---	0.167	0.080	0	0	0	0	0	0	---	---	0.032	1980
1981	---	0	0	0	0	0	0	0	0	0	---	---	0	1981
1982	---	---	0	2.88	0.031	0.007	0.894	0	0	0	---	---	0.488	1982
1983	---	---	0	3.62	0.185	0.003	0	0	0	0	---	---	0.488	1983
1984	---	---	0.001	0	0	0.002	0	0	0	0	---	---	0	1984
1985	---	---	0.320	0	0	0	0	0	0	0	---	---	0.041	1985
1986	---	0.300	0.468	0.001	0.183	0	0	0	0	0	---	---	0.080	1986
1987	---	---	0.428	0.340	0	0	0	0	0	0	---	---	0.088	1987
1988	---	---	0	0	0	0	0	0	0	0	---	---	0	1988
MEAN	---	0.150	0.310	1.83	0.284	0.141	0.092	0	0	0	---	---	0.248	MEAN

LOCATION - LAT 49 36 55 N, LONG 104 13 07 W
DRAINAGE AREA, 153 km^2
NATURAL FLOW

BROKENSHELL CREEK NEAR TROSSACHS - STATION NO. 05JE008

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1969	---	---	---	---	1969
1970	---	---	---	---	1970
1971	---	---	---	---	1971
1973	---	---	---	---	1973
1974	---	---	---	---	1974
1975	22.3 AT 13:31 CST ON APR 20	21.3 ON APR 20	0B ON MAR 1 *	10 700	1975
1976	36.2 AT 06:05 CST ON JUN 13 *	26.2 ON JUN 13 *	0B ON MAR 1	18 900	1976
1977	0 B AT 00:01 CST ON MAR 1	0 B ON MAR 1	0B ON MAR 1	0	1977
1978	12.6 AT 11:52 CST ON MAR 27	10.6 ON MAR 27	0B ON MAR 1	5 240	1978
1979	26.0 B AT 09:30 CST ON APR 19	23.0 B ON APR 19	0B ON MAR 1	13 400	1979
1980	2.41 B AT 11:05 CST ON MAR 30	2.07 B ON MAR 30	0B ON MAR 1	678	1980
1981	---	0 ON MAR 1	0 ON MAR 1	0	1981
1982	27.6 AT 04:56 CST ON JUL 17	22.2 ON APR 15	0B ON MAR 1	10 300	1982
1983	17.5 AT 08:46 CST ON APR 11	16.0 ON APR 11	0B ON MAR 1	8 620	1983
1984	0.031 AT 02:45 CST ON JUN 22	0.017 ON JUN 21	0B ON MAR 1	7.75	1984
1985	3.02 AT 19:03 CST ON MAR 16	2.48 A ON MAR 16	0B ON MAR 1	857	1985
1986	---	2.94 A ON MAR 2	0 ON APR 4	1 680	1986
1987	5.55 B AT 12:54 CST ON APR 1	4.68 B ON APR 1	0B ON MAR 1	2 020	1987
1988	---	0 ON MAR 1	0 ON MAR 1	0	1988
				5 240	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BROWN DITCH NEAR DIVIDE - STATION NO. 11AD002

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1917	---	---	---	---	---	---	---	---	---	---	---	---	---	1917
1918	---	---	---	---	---	---	---	---	---	---	---	---	---	1918
1919	---	---	---	---	---	---	---	---	---	---	---	---	---	1919
1924	---	---	0	0.002	0	0	0	0	0	0	---	---	0	1924
MEAN	---	---	0	0.002	0	0	0	0	0	0	---	---	0	MEAN

LOCATION - LAT 49 09 36 N
LONG 109 05 14 W REGULATED

BROWN DITCH NEAR DIVIDE - STATION NO. 11AD002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1917	---	---	0 ON SEP 15 *	---	1917
1918	---	---	0 ON AUG 20	---	1918
1919	---	---	0 ON JUN 25	---	1919
1924	---	0.026 ON APR 3 *	0 ON MAR 1	8.38	1924
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		8.38	MEAN

BUCHANAN DITCH NEAR COVENLOCK - STATION NO. 11AB109

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1968	---	---	0	0.058	0.005	0	0	0	0	0	---	---	0.008	1968
1969	---	---	0	0.030	0.013	0	0	0.015	0	0	---	---	0.007	1969
1970	---	---	0	0.083	0	0.042	0	0	0	0	---	---	0.013	1970
1971	---	---	---	0	0.045	0	0.018	0.105	0	0	---	---	---	1971
MEAN	---	---	0	0.038	0.016	0.011	0.005	0.030	0	0	---	---	0.009	MEAN

LOCATION - LAT 49 10 45 N
LONG 109 50 45 W REGULATED

BUCHANAN DITCH NEAR COVENLOCK - STATION NO. 11AB109

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1968	---	0.351 ON APR 23	0 ON MAR 1 *	163	1968
1969	---	0.241 ON AUG 11	0 ON MAR 1	150	1969
1970	---	0.476 ON APR 6 *	0 ON MAR 1	272	1970
1971	---	0.357 ON JUL 28	0 ON APR 1	---	1971
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		195	MEAN

BURNTOUT BROOK NEAR ARBORFIELD - STATION NO. 05KB005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1955	---	---	---	---	---	---	---	---	---	---	---	---	---	1955
1956	---	---	---	---	---	---	---	---	---	---	---	---	---	1956
1957	---	---	---	---	---	---	---	---	---	---	---	---	---	1957
1958	---	---	---	2.34	---	---	---	---	---	---	---	---	---	1958
1959	---	---	---	---	---	---	---	---	---	---	---	---	---	1959
1960	---	---	---	5.82	---	---	---	---	---	---	---	---	---	1960
1961	---	---	---	---	---	---	---	---	---	---	---	---	---	1961
1962	---	---	---	---	---	---	---	---	---	---	---	---	---	1962
1963	---	---	---	---	---	---	---	---	---	---	---	---	---	1963
1965	---	---	0	3.18	1.58	2.85	0.188	0	0	0	---	---	0.836	1965
1966	---	---	0.001	4.48	2.17	1.48	0.232	0.007	0.008	0.001	---	---	1.04	1966
1967	---	---	0	1.75	3.08	0.133	0.005	0.003	0	0.071	---	---	0.632	1967
1968	---	---	1.02	0.577	0.028	0.008	0	0	0	0.088	---	---	0.214	1968
1969	---	---	0	2.30	0.028	0.013	0	0	0.020	0.187	---	---	0.308	1969
1970	---	---	0	3.86	0.872	1.53	1.88	0.033	0	0	---	---	0.898	1970
1971	---	---	0	4.54	0.224	0.002	0	0	0	0.058	---	---	0.593	1971
1972	---	---	0	8.67	2.33	0.003	0	0	0	0	---	---	1.36	1972
1973	---	---	0.024	0.337	0.044	3.18	4.03	0.008	0.004	0.025	---	---	0.854	1973
1974	---	---	0.274	8.44	1.84	0.558	0.084	0.280	0.232	0.338	---	---	1.28	1974
1975	---	---	0	3.81	1.40	0.307	0.038	0	0	0.078	---	---	0.871	1975
1976	---	---	0.045	3.37	0.118	0.335	0.178	0	0	0.022	---	---	0.500	1976
1977	---	---	0	0.288	0.182	0.090	0	0	0	0.002	---	---	0.072	1977
1978	---	---	0	4.88	0.806	0.014	0	0.088	0.054	0.313	---	---	0.748	1978
1979	---	---	0.003	8.71	5.08	2.28	0.038	0	0	0.043	---	---	2.00	1979
1980	---	---	0	1.24	0.027	0.001	0	0	0	0.021	---	---	0.158	1980
1981	---	---	0.148	0.282	0.017	0.018	0.014	0	0	0.045	---	---	0.085	1981
1982	---	---	0	3.05	0.337	0.387	0	0	0	0.034	---	---	0.488	1982
1983	---	---	0	1.84	0.233	0.230	0.540	0.050	0.007	0.007	---	---	0.335	1983
1984	---	---	0.124	3.36	1.37	1.48	0.021	0	0	0.102	---	---	0.787	1984
1985	---	---	0.199	6.25	0.782	0.275	0.214	0.071	0.008	0.002	---	---	0.880	1985
1986	---	---	0.261	4.47	0.487	0.260	0	0	0	0.045	---	---	0.880	1986
1987	---	---	0.001	1.09	0.044	0	0	0	0	0.041	---	---	0.144	1987
1988	---	---	0	3.07	0.078	0.037	0.038	0	0	0.001	---	---	0.388	1988
MEAN	---	---	0.087	3.42	0.878	0.837	0.311	0.023	0.014	0.082	---	---	0.879	MEAN

LOCATION - LAT 53 06 16 N, LONG 103 40 45 W. DRAINAGE AREA, 305 km². REGULATED

BURNTOUT BROOK NEAR ARBORFIELD - STATION NO. 05KB005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1955	---	8.12 ON APR 16	0E ON APR 5 *	---	1955
1956	---	18.1 E ON APR 20	0E ON APR 14	---	1956
1957	---	35.4 ON APR 24 *	0E ON APR 18	---	1957
1958	---	11.3 E ON MAR 31	0E ON MAR 24	---	1958
1959	---	6.23 ON APR 6	0E ON MAR 28	---	1959
1960	---	10.8 ON APR 6	0E ON APR 1	---	1960
1961	---	3.74 ON APR 18	0E ON APR 12	---	1961
1962	---	20.0 ON APR 22	0E ON APR 12	---	1962
1963	---	11.2 ON MAR 28	0E ON MAR 25	---	1963
1965	---	18.8 ON APR 13	0B ON MAR 1	18 800	1965
1966	---	15.8 B ON APR 13	0B ON MAR 1	22 000	1966
1967	---	10.8 B ON APR 26	0B ON MAR 1	13 400	1967
1968	---	5.30 B ON MAR 26	0B ON MAR 1	4 540	1968
1969	---	14.0 B ON APR 11	0B ON MAR 1	8 540	1969
1970	---	18.0 ON JUN 30	0B ON MAR 1	21 100	1970
1971	---	17.0 ON APR 15	0B ON MAR 1	12 600	1971
1972	36.8 AT 08:48 CST ON APR 23	30.8 ON APR 23	0B ON MAR 1	28 700	1972
1973	---	34.0 ON JUL 3	0B ON MAR 1	20 200	1973
1974	---	30.8 ON APR 18	0B ON MAR 1	28 600	1974
1975	11.8 AT 08:46 CST ON APR 22	10.0 ON APR 22	0B ON MAR 1	14 200	1975
1976	---	8.00 ON APR 8	0B ON MAR 1	10 800	1976
1977	4.80 B AT 07:05 CST ON APR 10	3.23 B ON APR 10	0B ON MAR 1	1 520	1977
1978	14.1 AT 07:26 CST ON APR 18	11.8 ON APR 18	0B ON MAR 1	15 800	1978
1979	39.0 AT 01:34 CST ON APR 20 *	35.0 ON APR 20	0 ON JUL 14	42 200	1979
1980	6.88 A AT 08:20 CST ON APR 14	5.05 A ON APR 14	0B ON MAR 1*	3 340	1980
1981	0.8838 AT 12:33 CST ON APR 18	0.8828 ON APR 19	0B ON MAR 1	1 370	1981
1982	18.1 AT 05:56 CST ON APR 18	15.1 ON APR 18	0B ON MAR 1	8 820	1982
1983	13.3 AT 04:46 CST ON APR 21	9.76 B ON APR 20	0B ON MAR 1	7 080	1983
1984	13.8 AT 13:34 CST ON JUN 21	9.84 ON APR 7	0B ON MAR 1	16 900	1984
1985	23.6 A AT 08:50 CST ON APR 14	20.2 ON APR 15	0B ON MAR 1	20 300	1985
1986	22.0 AT 15:32 CST ON APR 7	18.2 ON APR 8	0B ON MAR 1	14 400	1986
1987	4.80 AT 07:21 CST ON APR 7	3.58 ON APR 7	0B ON MAR 1	3 080	1987
1988	15.8 B AT 03:03 CST ON APR 5	12.5 B ON APR 5	0B ON MAR 1	8 390	1988
				14 400	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX). B - ICE CONDITIONS. E - ESTIMATED. * - EXTREME RECORDED FOR THE PERIOD OF RECORD

BUSHY COULEE NEAR CONSUL - STATION NO. 11AB071

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1927	---	---	---	---	2.14	0.857	0.011	0	0	0	---	---	0.454	1927
1928	---	---	---	---	0.024	0	0	0	0	0	---	---	0.004	1928
MEAN	---	---	---	---	1.08	0.278	0.008	0	0	0	---	---	0.229	MEAN

LOCATION - LAT 48 18 18 N, LONG 108 27 23 W. DRAINAGE AREA, 339 km². REGULATED

BUSHY COULEE NEAR CONSUL - STATION NO. 11AB071

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1927	---	8.21 E ON MAY 24 *	0 ON MAY 1 *	7 210	1927
1928	---	0.187 ON MAY 1	0 ON MAY 17	84.1	1928
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		3 640	MEAN

E - ESTIMATED

CANOE RIVER NEAR BEAUVAL - STATION NO. 08SB005

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1973	---	---	---	---	---	---	---	---	---	---	39.8 R	28.3 R	---	1973
1974	22.2 R	20.1 R	19.5 R	30.8 R	81.0R	48.3	26.7	18.1	15.4	12.3	8.99R	7.42R	24.2 R	1974
1975	8.23 R	5.72 R	5.78 R	---	---	---	---	---	13.2	15.4	12.4	7.50R	---	1975
1976	5.42 R	5.18 R	8.05 R	13.0	13.6	8.32	17.6	19.7	19.0	18.7	16.3 R	8.07R	12.6 R	1976
1977	3.80 R	3.23 R	3.17 R	13.3	25.3	28.6	14.2	14.6	15.8	17.8	15.8 R	10.1 R	13.7 R	1977
1978	8.56	3.88	3.38	9.16	44.8	25.5	10.5	7.82	13.2	15.2	13.6	7.21R	13.6 R	1978
1979	5.09 R	3.76	2.91	11.0	23.1	14.7	8.55	5.57	9.05	15.2	13.0 R	8.02R	10.1 R	1979
1980	4.76	3.83	3.26	9.27	11.9	4.28	2.56	4.29	9.87	17.9	15.2 R	9.54R	8.05R	1980
1981	7.08	6.83	6.76	18.4	15.5	7.10	3.54	2.11	1.88	2.07	2.07	1.77	6.08	1981
1982	0.885	0.182	0.068	1.11	17.8	14.4	6.88	5.57	6.79	9.28	8.11	6.21	6.85	1982
1983	8.06	5.06	5.17	9.81	11.9	6.80	3.97	2.80	3.21	4.90	6.56	3.28	5.76	1983
1984	1.63	1.52	0.980	10.1	18.6	41.6	21.6	6.65	5.82	10.0	10.8	7.35	11.3	1984
1985	4.76	2.74	2.47	8.76	42.3	28.1	15.6	10.5	8.53	8.17	7.59	3.97	12.1	1985
1986	5.21	3.87	5.84	14.8	23.2	20.5	14.1	16.3	12.8	14.3	10.5	7.88	12.6	1986
1987	8.83	8.82	9.18	24.0	29.6	13.7	6.33	4.35	4.88	7.00	6.69	5.56	10.6	1987
1988	4.84	3.09	3.76	12.8	11.8	6.35	5.48	7.28	12.8	13.1	12.2	8.71	8.50	1988
MEAN	6.19 R	5.25 R	5.22 R	13.2 R	25.0R	18.0	11.4	8.97	10.1	12.2	12.5 R	8.24R	11.1 R	MEAN

LOCATION - LAT 55 24 20 N, LONG 108 01 40 W. DRAINAGE AREA, 4 730 km^2. NATURAL FLOW.

R - REVISED SINCE JAN 01 1987

CANOE RIVER NEAR BEAUVAL - STATION NO. 08SB005

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1973	---	---	---	---	1973
1974	---	76.0RE ON APR 28 *	8.60 RB ON DEC 31	784 000R	1974
1975	---	---	---	---	1975
1976	33.5 AT 19:22 CST ON JUL 28	22.2 ON JUL 30	4.39 RB ON FEB 15	389 000R	1976
1977	48.4 AT 19:43 CST ON MAY 28	47.6 ON MAY 28	---	431 000R	1977
1978	58.3 AT 17:28 CST ON MAY 18 *	55.1 ON MAY 18	2.97 B ON MAR 3	424 000R	1978
1979	---	25.0E ON MAY 16	2.85 B ON MAR 28	319 000R	1979
1980	---	19.5 ON OCT 28	1.63 ON JUL 10	255 000R	1980
1981	---	20.0 ON APR 30	1.31 B ON DEC 29	192 000	1981
1982	21.4 AT 17:50 CST ON MAY 21	21.3 ON MAY 21	0.0608 ON MAR 18 *	208 000	1982
1983	16.8 AT 07:40 CST ON APR 25	16.7 ON APR 24	2.02 B ON DEC 31	181 000	1983
1984	---	60.5E ON JUN 16	0.470B ON MAR 19	359 000	1984
1985	50.0 AT 16:23 CST ON MAY 17	48.2 ON MAY 17	2.31 B ON MAR 8	382 000	1985
1986	28.4B AT 17:00 CST ON APR 23	28.8 ON JUN 2	2.83 B ON FEB 23	394 000	1986
1987	44.1 AT 00:00 CST ON APR 21	39.0B ON APR 20	3.88 ON AUG 10	342 000	1987
1988	23.9B AT 17:43 CST ON APR 22	22.0B ON APR 22	2.83 B ON FEB 28	269 000	1988
				351 000R	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD
R - REVISED SINCE JAN 01 1987

CARROT RIVER AT BEAULIEU'S FARM - STATION NO. 05KA003

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1919	---	---	---	0.042	0.058	0.034	0.213	0.074	0.051	0.026	0	0	---	1919
1920	0	0	0	0.626	2.61	0.488	0.088	0	0	0	0	0	0.321	1920
1921	0	0	0	2.62	3.14	0.831	0.375	0.382	0.188	0.206	0.120	0.028	0.882	1921
1922	0	0	0	1.64	1.88	0.541	0.150	0.084	0.031	0.033	0.050	0.011	0.348	1922
1923	0	0	0	0.185	0.183	0.328	0.245	0.224	0.116	0.078	---	---	---	1923
1924	---	---	0	0.327	0.672	0.222	0.035	0.008	0	0	---	---	---	1924
1925	---	---	0	0.302	0.127	0.334	0.138	0.050	0.051	0.051	---	---	---	1925
1926	---	---	---	0.110	0.386	0.447	0.105	0.006	0.004	0.004	---	---	---	1926
1927	---	---	---	0.632	1.64	0.533	0.388	0.268	0.183	0.283	---	---	---	1927
1928	---	---	---	0.698	0.248	0.185	0.084	0.048	0.003	0.003	---	---	---	1928
1929	---	---	0	0.248	0.338	0.209	0.083	0.032	0.003	0	---	---	---	1929
1930	---	---	---	0.158	0.147	0.036	0.027	0	0.005	0.048	---	---	---	1930
1931	---	---	0.007	0.188	---	---	---	---	---	---	---	---	---	1931
MEAN	0	0	0.001	0.611	0.826	0.348	0.163	0.096	0.053	0.060	0.043	0.013	0.444	MEAN

LOCATION - LAT 52 51 00 N, LONG 105 11 00 W. DRAINAGE AREA, 548 km^2. NATURAL FLOW.

CARROT RIVER AT BEAULIEU'S FARM - STATION NO. 05KA003

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1919	---	---	0 ON MAR 14 *	---	1919
1920	---	5.24 ON MAY 3	0B ON JAN 1	10 200	1920
1921	---	12.0 ON APR 27 *	0B ON JAN 1	20 800	1921
1922	---	2.49 B ON APR 10	0B ON JAN 1	11 000	1922
1923	---	0.527 ON JUN 25	0B ON JAN 1	---	1923
1924	---	1.10 ON APR 29	0B ON MAR 1	---	1924
1925	---	0.883 ON APR 7	0 ON MAR 1	---	1925
1926	---	0.595 ON MAY 29	0B ON APR 1	---	1926
1927	---	2.88 ON APR 26	---	---	1927
1928	---	---	0 ON SEP 11	---	1928
1929	---	0.637 ON APR 21	0B ON MAR 1	---	1929
1930	---	0.328 ON APR 12	0B ON APR 1	---	1930
1931	---	---	0B ON MAR 1	---	1931
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		14 000	MEAN

CARROT RIVER NEAR ARMLEY - STATION NO. 05KB003

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1955	---	---	0.031	63.4	72.5	12.8	2.26	0.060	0.008	0.012	---	---	16.8	1955
1956	---	---	0.004	30.9	53.3	5.59	1.23	0.494	0.028	0.021	---	---	11.4	1956
1957	---	---	0.033	50.0	30.5	1.36	0.246	0.011	0.056	0.010	---	---	10.2	1957
1958	---	---	0.046	22.5	1.87	0.115	0.014	0.002	0.004	0.018	---	---	3.01	1958
1959	---	---	0.002	10.7	1.12	0.079	0.085	0.008	0.001	0.037	---	---	1.46	1959
1960	---	---	0.028	31.6	7.16	1.45	0.428	0.002	0	0	---	---	5.01	1960
1961	---	---	0	2.27	0.291	0.002	0		0	0	---	---	0.315	1961
1962	---	---	0	16.2	3.41	0.045	0		0	0	---	---	2.42	1962
1963	---	---	0	11.7	0.018	0.005	0.042	0	0	0	---	---	1.44	1963
1964	---	---	0	9.54	0.881	0.055	0	0	0	0	---	---	1.26	1964
1965	---	---	0	15.4	2.87	1.18	0.700	0.080	0.001	0.001	---	---	2.48	1965
1966	---	---	0.008	39.1	7.27	1.87	0.830	0.134	0.031	0.018	---	---	8.05	1966
1967	---	---	0.008	3.22	30.8	1.86	0.007	0	0.002	0.002	---	---	4.52	1967
1968	---	---	6.51	11.8	0.723	0.091	0.003	0.115	0.791	0.075	---	---	2.49	1968
1969	---	---	0.008	34.3	6.39	0.812	0.008	0.004	0.001	0.388	---	---	5.13	1969
1970	---	---	0	38.2	17.0	2.12	2.44	0.274	0.011	0.087	---	---	7.44	1970
1971	---	---	0	34.8	4.75	0.474	0.747	0.212	0.026	0.183	---	---	5.07	1971
1972	---	---	0	63.2	26.5	1.21	0.103	0.010	0.002	0	---	---	11.5	1972
1973	---	---	0.112	2.87	0.310	19.1	11.7	2.58	0.827	0.805	---	---	4.74	1973
1974	---	---	0.018	87.6	63.0	19.8	4.06	0.937	1.84	1.34	---	---	22.2	1974
1975	---	---	0.018	23.5	38.8	5.84	1.69	0.400	0.063	0.024	---	---	8.80	1975
1976	---	---	0.026	22.8	3.11	0.677	1.17	0.215	0.001	0.015	---	---	3.45	1976
1977	---	---	0	1.88	1.36	1.87	0.043	0.005	0.002	0.020	---	---	0.831	1977
1978	---	---	0.001	38.8	10.5	0.862	1.25	0.137	0.304	0.044	---	---	6.51	1978
1979	---	---	0	63.2	66.8	13.7	2.47	0.155	0.110	0.020	---	---	18.2	1979
1980	---	---	0.010	27.3	5.07	0.172	0.042	0.010	0.077	0.087	---	---	4.04	1980
1981	---	---	0.373	0.873	0.137	0.016	0.026	0.018	0.003	0.022	---	---	0.182	1981
1982	---	---	0	16.0	2.88	1.82	0.293	0.018	0.027	0.024	---	---	2.46	1982
1983	---	---	0	15.3	7.16	0.926	0.768	0.248	0.185	0.087	---	---	3.06	1983
1984	---	---	0	17.7	7.22	7.78	0.768	0.023	0.001	0.001	---	---	4.14	1984
1985	---	---	0.002	91.8	23.4	4.68	1.18	0.082	0.012	0.033	---	---	14.9	1985
1986	---	---	0.844	18.9	2.02	0.278	0.008	0.001	0	0	---	---	2.72	1986
1987	---	---	0	8.82	0.850	0.048	0	0.007	0	0	---	---	0.825	1987
1988	---	---	0	40.0	3.34	0.133	0		0	0	---	---	5.34	1988
MEAN	---	---	0.240	28.4	14.8	3.17	1.02	0.183	0.124	0.092	---	---	5.95	MEAN

LOCATION - LAT 53 08 11 N DRAINAGE AREA, 4 400 km^2
LONG 104 01 15 W NATURAL FLOW

CARROT RIVER NEAR ARMLEY - STATION NO. 05KB003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1995	---	117 ON MAY 2	0 B ON MAR 22 *	397 000	1995
1996	---	177 ON APR 25	0 ON AUG 26	242 000	1996
1997	311 E AT 15:00 CST ON APR 26	309 E ON APR 26	0 B ON MAR 1	216 000	1997
1998	81.7 B AT 08:30 CST ON APR 7	60.9 B ON APR 7	0 B ON MAR 1	83 800	1998
1999	---	29.4 B ON APR 7	0 B ON MAR 1	31 400	1999
1980	82.4 AT 15:00 CST ON APR 15	81.0 ON APR 15	0 E ON AUG 13	108 000	1980
1981	10.8 B AT 17:00 CST ON APR 16	8.778 ON APR 16	0 B ON MAR 1	6 670	1981
1982	84.6 B AT 14:00 CST ON APR 22	64.6 B ON APR 22	0 B ON MAR 1	61 100	1982
1983	45.3 B AT 20:20 CST ON APR 9	35.7 B ON APR 9	0 B ON MAR 1	30 500	1983
1984	48.7 B AT 18:30 CST ON APR 11	43.8 B ON APR 11	0 B ON MAR 1	27 200	1984
1985	---	48.7 B ON APR 14	0 B ON MAR 1	52 600	1985
1986	128 AT 19:30 CST ON APR 17	123 ON APR 17	0 ON AUG 13	128 000	1986
1987	63.1 B AT 17:00 CST ON MAY 1	61.4 B ON MAY 1	0 ON JUL 23	85 600	1987
1988	---	40.5 B ON MAR 28	0 B ON MAR 1	52 700	1988
1989	---	108 B ON APR 13	0 ON JUL 10	109 000	1989
1970	121 AT 15:30 CST ON APR 20	118 ON APR 20	0 B ON MAR 1	157 000	1970
1971	119 AT 15:00 CST ON APR 15	115 ON APR 16	0 B ON MAR 1	107 000	1971
1972	328 AT 20:13 CST ON APR 24	306 ON APR 24	0 B ON MAR 1	244 000	1972
1973	49.6 AT 11:08 CST ON JUN 10	48.4 ON JUN 10	0 B ON MAR 1	100 000	1973
1974	480 AT 17:10 CST ON APR 21 *	377 ON APR 21 *	0 B ON MAR 24	470 000	1974
1975	106 AT 18:41 CST ON MAY 1	105 ON MAY 1	0 B ON MAR 11	169 000	1975
1976	---	80.0 ON APR 8	0 ON AUG 29	73 100	1976
1977	7.03 AT 18:05 CST ON MAY 28	6.12 ON MAY 28	0 B ON MAR 1	13 400	1977
1978	115 AT 14:14 CST ON APR 21	114 ON APR 21	0.0018 ON MAR 1	138 000	1978
1979	310 AT 19:04 CST ON APR 26	310 ON APR 27	0 B ON MAR 1	388 000	1979
1980	78.4 AT 18:32 CST ON APR 21	74.4 ON APR 21	0 B ON MAR 1	85 500	1980
1981	---	1.699 ON APR 3	0 B ON MAR 1	3 840	1981
1982	73.7 AT 17:55 CST ON APR 18	69.1 ON APR 18	0 B ON MAR 1	92 200	1982
1983	81.4 AT 19:51 CST ON APR 22	66.0 ON APR 22	0 B ON MAR 1	84 500	1983
1984	61.6 AT 08:32 CST ON APR 8	50.9 ON APR 8	0 B ON MAR 1	67 500	1984
1985	239 AT 04:01 CST ON APR 21	231 ON APR 21	0 B ON MAR 1	318 000	1985
1986	41.1 AT 01:31 CST ON APR 3	38.2 ON APR 9	0 B ON MAR 1	57 800	1986
1987	14.7 AT 22:14 CST ON APR 8	13.5 ON APR 9	0 B ON MAR 1	18 800	1987
1988	132 AT 10:30 CST ON APR 14	127 ON APR 15	0 B ON MAR 1	113 000	1988
				139 000	MEAN

B - ICE CONDITIONS
E - ESTIMATED

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

CARROT RIVER NEAR KINISTINO - STATION NO. 05KA001

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1919	---	---	0	0.043	0	0	0	0	0	0	0	0	0.005	1919
1920	0	0	0	0.806	3.58	0.724	0.070	0	0	0	0	0	0.822	1920
1921	0	0	0	3.81	11.1	4.82	2.04	0.757	1.08	1.02	---	---	3.08	1921
1922	---	---	0	3.77	8.20	2.53	5.87	2.21	0.193	0.278	0.178	0.004	2.86	1922
1923	0	0	0	0.484	0.356	1.50	0.888	0.870	0.230	0.231	---	---	0.585	1923
1924	---	---	0	1.84	0.948	0.383	0.071	0.072	0.014	0	---	---	0.384	1924
1925	---	---	0	1.78	0.384	2.84	0.778	0.207	0.235	0.230	---	---	0.773	1925
1926	---	---	0.064	0.815	1.80	1.14	0.117	0.010	0.058	0.196	---	---	0.488	1926
1927	---	---	0	5.01	3.51	1.48	1.54	0.848	0.584	0.639	---	---	1.67	1927
1928	---	---	1.33	1.62	0.618	0.570	0.200	0.088	0.057	0.087	---	---	0.588	1928
1929	---	---	0	1.88	0.853	1.35	0.820	0.083	0.048	0.045	---	---	0.553	1929
1930	---	---	0	1.04	0.224	0.142	0.072	0.008	0.005	0.048	---	---	0.195	1930
1931	---	---	0.023	0.631	---	---	---	---	---	---	---	---	---	1931
1956	---	---	0	8.80	7.72	1.46	0.325	0.327	0.134	0.026	---	---	2.09	1956
1957	---	---	0.006	2.84	4.43	0.585	0.093	0.037	0.081	0.015	---	---	1.02	1957
1958	---	---	0.028	1.67	0.892	0.267	0.003	0	0.001	0.005	---	---	0.317	1958
1959	---	---	0	0.131	0.197	0.012	0	0	0	0	---	---	0.042	1959
1960	---	---	0	2.81	0.805	0.875	0.204	0.068	0.014	0	---	---	0.858	1960
1961	---	---	0	0.062	0.021	0.004	0	0	0	0	---	---	0.013	1961
1962	---	---	0	0.212	0.025	0.005	0	0	0	0.004	---	---	0.030	1962
1963	---	---	0.001	0.129	0.007	0.006	0.005	0	0	0.010	---	---	0.020	1963
1964	---	---	0	0.018	0.017	0.003	0	0	0.003	0.018	---	---	0.007	1964
1965	---	---	0	0.778	0.497	0.001	0.007	0	0	0.008	---	---	0.160	1965
1966	---	---	0	3.64	1.71	0.435	0.328	0.060	0.072	0.134	---	---	0.760	1966
1967	---	---	0	0.108	5.10	0.375	0.083	0.033	0.021	0.049	---	---	0.725	1967
1968	---	---	0.315	0.832	0.135	0.018	0.106	0.018	0.113	0.082	---	---	0.211	1968
1969	---	---	0.008	5.11	2.35	0.318	0.068	0.078	0.030	0.189	---	---	1.01	1969
1970	---	---	0	5.67	5.32	0.511	0.330	0.120	0.011	0.048	---	---	1.49	1970
1971	---	---	0	3.22	0.858	0.108	0.057	0.043	0.027	0.008	---	---	0.537	1971
1972	---	---	0	4.88	5.19	0.500	0.048	0.028	0.007	0.008	---	---	1.45	1972
1973	---	---	0.010	0.057	0.014	1.03	0.765	0.349	0.388	0.167	---	---	0.350	1973
1974	---	---	0	8.20	16.1	7.64	1.88	0.423	0.885	0.501	---	---	4.88	1974
1975	---	---	0.038	2.13	6.71	2.34	0.870	0.187	0.081	0.188	---	---	1.83	1975
1976	---	---	0.012	4.87	0.533	0.075	0.193	0.085	0.026	0.022	---	---	0.729	1976
1977	---	---	0.001	0.080	0.016	0.006	0.012	0.047	0.012	0.015	---	---	0.021	1977
1978	---	---	0.002	2.32	2.04	0.781	0.460	0.225	0.043	0.068	---	---	0.736	1978
1979	---	---	0	2.74	13.9	4.40	0.898	0.183	0.311	0.025	---	---	2.81	1979
1980	---	---	0	2.63	1.20	0.011	0.023	0.005	0.018	0.041	---	---	0.488	1980
1981	---	---	0.031	0.111	0.008	0.008	0	0.001	0.001	0.004	---	---	0.020	1981
1982	---	---	0	0.320	0.829	0.224	0.005	0.148	0.076	0.078	---	---	0.184	1982
1983	---	---	0	0.855	1.02	0.089	0.013	0.004	0.010	0	---	---	0.304	1983
1984	---	---	0.028	3.49	0.862	1.46	0.288	0.018	0.023	0.011	---	---	0.805	1984
1985	---	---	0	10.7	9.86	1.93	0.105	0.001	0.001	0.001	---	---	2.82	1985
1986	---	---	0.058	1.30	0.380	0.064	0	0	0.008	0.053	---	---	0.224	1986
1987	---	---	0	1.03	0.280	0.008	0	0.001	0.008	0.011	---	---	0.184	1987
1988	---	---	0	2.51	1.18	0.117	0.010	0.002	0.002	0.018	---	---	0.471	1988
MEAN	0	0	0.042	2.29	2.76	0.938	0.449	0.165	0.109	0.102	0.089	0.001	0.654	MEAN

LOCATION - LAT 52 59 55 N DRAINAGE AREA, 1 170 km²
LONG 105 00 18 W REGULATED

REMARKS - RECORDS PRIOR TO 1956 WERE OBTAINED AT VARIOUS OTHER SITES IN THE VICINITY

CARROT RIVER NEAR KINISTINO - STATION NO. 05KA001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1919	---	0.379 B ON APR 8	0 B ON MAR 1 *	112	1919
1920	---	7.05 ON MAY 6	0 B ON MAR 1	13 200	1920
1921	---	18.7 ON APR 26	0 B ON MAR 1	84 700	1921
1922	---	17.4 ON JUL 19	0 B ON MAR 1	56 100	1922
1923	---	3.11 ON JUN 23	0 ON MAR 1	12 000	1923
1924	---	5.21 B ON APR 22	0 B ON MAR 1	8 120	1924
1925	---	6.14 B ON APR 7	0 B ON MAR 1	15 400	1925
1926	---	2.86 ON JUN 1	0 B ON MAR 1	10 500	1926
1927	---	19.1 ON APR 26	0 E ON MAR 1	35 300	1927
1928	---	4.81 B ON MAR 26	0 B ON MAR 1	12 000	1928
1929	---	4.82 B ON APR 20	0 B ON MAR 1	11 700	1929
1930	---	4.59 B ON APR 11	0 B ON MAR 1	4 130	1930
1931	---	1.98 B ON APR 9	0 B ON MAR 14	---	1931
1955	---	27.8 ON APR 15 *	0 E ON MAR 1	44 200	1955
1957	---	10.4 B ON APR 29	0.0038 ON MAR 1	21 600	1957
1958	---	3.20 ON APR 14	0 ON JUL 13	6 700	1958
1959	---	1.27 B ON APR 30	0 B ON MAR 1	887	1959
1960	---	5.24 ON APR 26	0 B ON MAR 1	11 600	1960
1961	---	0.3688 ON APR 18	0 B ON MAR 1	277	1961
1962	2.86 B AT 16:30 CST ON APR 17	0.866 ON APR 22	0 B ON MAR 1	841	1962
1963	---	0.7879 ON APR 13	0 B ON MAR 1	413	1963
1964	---	0.0788 ON APR 14	0 B ON MAR 1	148	1964
1965	---	4.05 ON APR 29	0 B ON MAR 1	3 390	1965
1966	---	9.00 B ON APR 15	0 B ON MAR 1	16 500	1966
1967	---	9.85 ON MAY 6	0 B ON MAR 1	15 300	1967
1968	---	4.16 B ON MAR 30	0 B ON MAR 1	4 450	1968
1969	---	10.1 ON APR 18	0 ON SEP 9	21 500	1969
1970	---	11.8 ON APR 24	0 B ON MAR 1	31 700	1970
1971	11.8 AT 00:00 CST ON APR 17	6.91 ON APR 17	0 B ON MAR 1	11 400	1971
1972	18.8 B AT 07:41 CST ON APR 22	17.8 B ON APR 22	0 B ON MAR 1	30 700	1972
1973	3.88 AT 12:00 CST ON JUL 3	3.88 ON JUL 3	0 B ON MAR 1	7 420	1973
1974	25.4 AT 17:31 CST ON APR 28 *	25.2 ON APR 30	0 B ON MAR 1	88 000	1974
1975	13.7 AT 13:45 CST ON MAY 2	13.5 ON MAY 2	0.004 ON SEP 23	38 700	1975
1976	10.8 AT 21:08 CST ON APR 9	7.82 ON APR 10	0 B ON MAR 1	15 500	1976
1977	---	0.379 ON APR 17	0 B ON MAR 1	450	1977
1978	8.85 AT 18:18 CST ON APR 28	8.77 ON APR 28	0 B ON MAR 1	15 800	1978
1979	19.7 AT 18:15 CST ON APR 30	19.4 ON MAY 8	0 B ON MAR 1	59 500	1979
1980	7.85 AT 18:51 CST ON APR 20	7.05 ON APR 21	0 B ON MAR 1	10 300	1980
1981	0.5388 AT 12:48 CST ON APR 7	0.3448 ON APR 18	0 B ON MAR 1	416	1981
1982	3.51 AT 13:30 CST ON JUN 21	1.55 ON APR 27	0 B ON MAR 1	2 810	1982
1983	3.15 AT 12:25 CST ON APR 22	2.92 ON APR 23	0 B ON MAR 1	6 440	1983
1984	4.31 AT 04:45 CST ON APR 7	2.85 ON APR 11	0 B ON MAR 1	12 800	1984
1985	20.3 AT 05:01 CST ON APR 27	20.0 ON APR 27	0 B ON MAR 1	59 700	1985
1986	4.78 AT 10:03 CST ON APR 13	3.94 ON APR 8	0 B ON MAR 1	4 730	1986
1987	2.82 AT 14:55 CST ON APR 16	2.77 ON APR 16	0 B ON MAR 1	3 460	1987
1988	12.6 AT 18:18 CST ON APR 17	8.01 B ON APR 18	0 B ON MAR 1	9 870	1988
				18 100	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

CARROT RIVER NEAR MYRHEIM'S FARM - STATION NO. 05KB004

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1958	---	---	---	8.39	11.7	2.34	---	---	---	---	---	---	---	1958
1982	---	---	0	2.44	0.516	0.050	0	0	0	---	---	---	---	1982
MEAN	---	---	0	5.42	6.11	1.20	0	0	0	---	---	---	---	MEAN

LOCATION - LAT 53 04 00 N
LONG 104 43 00 W
DRAINAGE AREA, 1 930 km^2
NATURAL FLOW

CARROT RIVER NEAR MYRHEIM'S FARM - STATION NO. 05KB004

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1958	---	51.0 ON APR 22 *	0E ON APR 1 *	---	1958
1982	---	12.0 ON APR 23	0B ON MAR 1	---	1982
				---	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

CARROT RIVER NEAR SMOKY BURN - STATION NO. 05KC001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1955	---	---	0.307	142	185	26.4	6.14	0.804	0.402	0.681	---	---	---	1955
1956	---	---	0.382	80.0	205	11.8	3.06	1.78	0.862	0.810	---	---	---	1956
1957	---	---	0.091	102	115	5.46	1.86	0.693	0.843	0.746	---	---	---	1957
1958	---	---	0.627	66.5	7.08	2.78	1.06	0.336	1.42	2.14	---	---	---	1958
1959	---	---	0.238	61.6	18.8	2.06	1.84	0.504	0.818	1.72	---	---	---	1959
1960	---	---	0.118	84.5	31.0	8.67	2.06	0.866	0.077	0.213	---	---	---	1960
1961	---	---	0.126	14.8	6.50	0.193	0.086	0.042	0.006	0.067	0.085	---	---	1961
1962	---	---	0.184	70.6	21.0	0.868	0.122	0.163	0.827	0.388	---	---	---	1962
1963	---	---	0.837	38.6	1.37	0.866	4.03	0.976	0.838	0.388	---	---	---	1963
1964	---	---	0.394	42.1	8.80	0.436	0.262	0.376	2.36	2.04	---	---	---	1964
1965	---	---	0.100	80.5	25.8	32.5	11.3	5.28	1.82	2.38	---	---	---	1965
1966	---	---	0.185	124	37.2	19.0	8.52	3.08	2.28	1.15	---	---	---	1966
1967	---	---	0.448	19.0	82.6	6.85	0.822	0.952	0.263	0.693	---	---	---	1967
1968	---	---	20.6	31.8	8.77	3.62	4.09	1.17	3.36	1.01	---	---	---	1968
1969	---	---	0.300	79.4	11.2	1.61	0.423	0.471	0.163	8.77	---	---	---	1969
1970	---	---	0.283	88.8	44.2	7.62	23.4	8.972	0.294	1.23	---	---	---	1970
1971	---	---	0.241	113	11.1	2.12	4.80	1.87	0.872	4.29	---	---	---	1971
1972	---	---	0.262	189	82.2	8.86	1.12	0.384	0.219	0.898	---	---	---	1972
1973	---	---	0.388	11.3	7.21	29.8	24.3	10.2	1.38	1.48	---	---	---	1973
1974	---	---	0.215	192	109	31.6	8.16	8.30	8.86	8.80	---	---	---	1974
1975	---	---	0.881	84.1	81.3	17.3	4.86	0.910	0.428	1.88	---	---	---	1975
1976	---	---	0.246	84.0	8.03	7.78	8.12	0.881	0.228	0.380	---	---	---	1976
1977	---	---	0.306	8.47	7.12	4.86	0.419	1.28	2.86	1.80	---	---	---	1977
1978	---	---	0.243	124	32.6	3.08	2.26	2.86	2.88	8.80	3.82	1.22	---	1978
1979	0.542	0.288	0.279	141	176	37.8	8.76	0.466	0.382	0.883	0.827	0.431	30.8	1979
1980	0.394	0.353	0.267	80.5	8.58	0.490	0.886	1.07	1.82	2.04	1.00	0.436	8.48	1980
1981	0.211	0.226	3.73	8.12	3.17	0.887	0.788	0.738	0.282	2.48	2.19	0.831	1.88	1981
1982	0.086	0.042	0.028	57.2	12.3	13.6	1.80	0.834	0.886	1.18	0.836	0.337	7.31	1982
1983	0.421	0.813	0.346	37.7	17.8	12.8	13.2	1.62	2.86	1.81	1.86	0.889	7.48	1983
1984	0.817	0.332	0.881	82.4	33.1	40.0	3.80	0.289	0.802	1.81	1.13	0.843	12.0	1984
1985	0.438	0.488	0.488	203	48.8	16.8	8.17	2.80	1.82	2.41	1.27	0.376	23.8	1985
1986	0.386	0.313	0.522	87.0	11.4	2.86	0.932	0.857	0.308	0.851	0.672	0.486	7.18	1986
1987	0.844	0.226	0.093	26.8	2.87	1.82	1.36	0.271	0.361	0.878	0.970	0.526	2.86	1987
1988	0.291	0.232	0.233	87.6	8.88	0.693	0.263	0.486	0.582	0.444	0.358	0.387	8.27	1988
MEAN	0.383	0.309	1.01	75.9	42.8	10.7	4.88	1.88	1.13	1.74	1.20	0.817	10.8	MEAN

LOCATION - LAT 53 25 00 N
LONG 103 06 30 W

DRAINAGE AREA, 9 280 km²
NATURAL FLOW

CARROT RIVER NEAR SMOKY BURN - STATION NO. 05KC001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1955	---	266 ON MAY 8	---	---	1955
1956	---	504 ON MAY 8	---	---	1956
1957	733 A AT 21:00 CST ON APR 26	697 A ON APR 27	---	---	1957
1958	---	178 B ON APR 7	---	---	1958
1959	---	165 B ON APR 8	---	---	1959
1960	268 AT 20:00 CST ON APR 17	255 ON APR 18	---	---	1960
1961	---	86.0E ON APR 21	---	---	1961
1962	275 AT 10:00 CST ON APR 26	274 ON APR 26	---	---	1962
1963	133 B AT 02:00 CST ON APR 13	109 B ON APR 12	---	---	1963
1964	---	133 B ON APR 16	---	---	1964
1965	---	201 B ON APR 18	---	---	1965
1966	413 AT 18:00 CST ON APR 19	374 ON APR 19	---	---	1966
1967	160 AT 22:00 CST ON MAY 5	176 ON MAY 5	---	---	1967
1968	---	106 B ON MAR 30	---	---	1968
1969	288 AT 17:00 CST ON APR 17	283 ON APR 17	---	---	1969
1970	297 AT 18:00 CST ON APR 24	284 ON APR 24	---	---	1970
1971	411 AT 11:56 CST ON APR 19	403 ON APR 19	---	---	1971
1972	818 AT 10:17 CST ON APR 26	818 ON APR 26 *	---	---	1972
1973	---	80.3E ON JUN 11	---	---	1973
1974	824 AT 18:00 CST ON APR 23 *	804 ON APR 23	---	---	1974
1975	218 AT 13:22 CST ON MAY 4	218 ON MAY 4	---	---	1975
1976	151 AT 08:46 CST ON APR 12	150 ON APR 12	---	---	1976
1977	---	36.5 ON MAY 28	---	---	1977
1978	348 AT 18:36 CST ON APR 24	345 ON APR 24	---	---	1978
1979	636 AT 18:06 CST ON APR 26	622 B ON APR 26	0.206 ON AUG 26	982 000	1979
1980	178 AT 20:36 CST ON APR 20	175 ON APR 20	0.117E ON JUN 23	208 000	1980
1981	---	19.3E ON MAR 31	0.037 ON SEP 6	81 800	1981
1982	204 AT 16:34 CST ON APR 22	202 ON APR 22	0.022E ON MAR 25	230 000	1982
1983	192 AT 18:06 CST ON APR 26	180 ON APR 26	0.245E ON MAR 6	238 000	1983
1984	188 AT 04:31 CST ON APR 12	184 ON APR 12	0.031 ON AUG 18	278 000	1984
1985	537 AT 14:30 CST ON APR 18	523 ON APR 18	0.284E ON DEC 17	742 000	1985
1986	178 AT 19:09 CST ON APR 10	175 ON APR 10	0.12E ON SEP 6	238 000	1986
1987	97.5 AT 21:10 CST ON APR 10	78.4 ON APR 11	0.010E ON MAR 26 *	83 100	1987
1988	238 AT 11:16 CST ON APR 17	234 ON APR 17	0.044 ON JUN 27	282 000	1988
				340 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

CARROT RIVER NEAR TURNBERRY - STATION NO. 05KH007

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1966	---	---	1.21	38.0	126	72.5	41.0	16.0	10.2	7.98	6.58	3.17	---	1966
1967	2.37	2.02	1.86	3.62	113	74.0	18.1	11.7	4.72	2.61	2.17	1.55	20.0	1967
1968	1.05	0.877	4.90	33.1	40.8	35.7	41.4	13.1	20.2	8.90	5.12	3.20	17.5	1968
1969	1.59	1.15	1.15	47.1	55.3	13.7	4.38	3.30	2.77	14.2	4.40	1.78	12.9	1969
1970	0.968	0.834	0.771	21.2	126	41.8	56.1	15.3	5.41	7.56	15.5	4.66	25.4	1970
1971	1.92	1.24	1.23	53.5	97.8	18.4	12.6	11.2	8.13	25.0	18.4	5.65	21.3	1971
1972	2.76	1.75	1.70	26.9	196	83.7	17.3	7.13	5.81	5.97	1.83	0.420	27.0	1972
1973	0.832	0.883	1.27	18.3	36.8	58.2	78.3	30.1	12.2	10.2	7.07	5.00	24.0	1973
1974	3.20	2.58	2.23	33.8	211	102	28.8	19.1	18.1	18.4	9.47	4.07	38.1	1974
1975	2.68	2.12	1.90	18.9	113	84.0	43.4	11.7	11.1	15.4	7.18	1.82	26.3	1975
1976	1.27	1.25	1.15	40.5	38.5	28.5	31.9	5.70	3.00	3.13	1.78	1.18	13.2	1976
1977	0.831	0.889	1.64	20.5	20.6	12.9	2.84	10.6	8.81	8.98	13.2	3.38	8.88	1977
1978	1.71	0.829	1.27	38.6	129	33.3	9.78	17.0	13.8	38.2	19.8	6.27	25.0	1978
1979	2.33	1.48	1.37	20.9	226	137	33.9	8.48	8.42	8.28	8.64	2.12	38.1	1979
1980	1.12	1.01	1.87	33.9	39.2	5.48	9.17	4.42	8.80	12.3	3.38	1.85	10.2	1980
1981	0.841	0.781	2.12	18.6	19.1	7.51	9.95	5.25	2.97	16.0	8.09	2.26	7.73	1981
1982	0.777	0.382	0.335	21.5	56.6	46.1	11.5	4.23	5.26	9.27	2.28	1.48	13.5	1982
1983	1.61	1.37	1.33	18.2	61.7	86.7	48.6	14.9	15.6	13.0	7.16	2.13	21.0	1983
1984	1.37	1.45	1.88	59.6	84.0	82.2	43.1	7.47	5.08	17.5	7.85	3.40	27.0	1984
1985	2.16	1.78	2.08	70.7	172	57.5	26.2	16.7	11.5	18.0	7.50	1.87	32.3	1985
1986	2.22	2.04	2.07	54.2	73.1	24.5	5.50	8.07	5.04	8.35	2.22	2.23	16.0	1986
1987	2.13	2.12	2.24	35.4	17.7	12.1	15.4	7.35	6.69	15.8	8.40	3.48	10.8	1987
1988	1.87	1.45	2.12	51.6	77.6	10.3	2.72	2.50	4.47	3.09	1.72	1.25	13.4	1988
MEAN	1.70	1.37	1.74	33.2	92.6	48.4	25.9	10.8	8.67	12.7	7.43	2.79	20.4	MEAN

LOCATION - LAT 53 36 00 N
LONG 102 07 00 W

DRAINAGE AREA, 12 800 km²
NATURAL FLOW

CATON DITCH NEAR RAVENSCRAG - STATION NO. 11AC035

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1919	---	---	---	---	---	---	---	---	---	---	---	---	---	1919
1920	---	---	0	0	0.053	0.081	0.043	0	0	0	---	---	0.022	1920
1921	---	---	0	0	0	0.037	0	0	0	0	---	---	0.005	1921
1922	---	---	0	0	0.117	0.133	0.013	0	0	0	---	---	0.033	1922
1923	---	---	0	0	0.081	0.085	0	0	0	0	---	---	0.022	1923
1924	---	---	0	0	0.034	0.006	0	0	0	0	---	---	0.005	1924
1925	---	---	0	0	0.006	0.076	0.033	0	0	0	---	---	0.015	1925
1926	---	---	0	0	0.035	0.022	0	0	0	0	---	---	0.007	1926
1927	---	---	0	0	0	0	0	0	0	0	---	---	0	1927
1928	---	---	0	0	0	0	0	0	0	0	---	---	0	1928
1929	---	---	0	0	0.022	0.089	0.011	0	0	0	---	---	0.015	1929
1930	---	---	0	0	0.035	0.104	0.052	0	0	0	---	---	0.024	1930
MEAN	---	---	0	0	0.035	0.069	0.014	0	0	0	---	---	0.013	MEAN

LOCATION - LAT 49 30 20 N
LONG 108 14 50 W

REGULATED

CATON DITCH NEAR RAVENSCRAG - STATION NO. 11AC035

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1919	---	---	0 ON AUG 25 *	---	1919
1920	---	0.086 ON JUN 18	0 ON MAR 1	485	1920
1921	---	0.057 ON JUN 18	0 ON MAR 1	86.8	1921
1922	---	0.252 ON MAY 23 *	0 ON MAR 1	698	1922
1923	---	0.218 ON MAY 11	0 ON MAR 1	482	1923
1924	---	0.083 ON MAY 14	0 ON MAR 1	107	1924
1925	---	0.139 ON JUN 10	0 ON MAR 1	306	1925
1926	---	0.086 ON MAY 27	0 ON MAR 1	152	1926
1927	---	0 ON MAR 1	0 ON MAR 1	0	1927
1928	---	0 ON MAR 1	0 ON MAR 1	0	1928
1929	---	0.142 ON JUN 2	0 ON MAR 1	319	1929
1930	---	0.150 ON MAY 26	0 ON MAR 1	501	1930
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		283	MEAN

CHIPMAN RIVER ABOVE BLACK LAKE - STATION NO. 07LC002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1973	---	---	---	---	---	---	---	---	---	---	4.72	---	---	1973
1974	---	---	---	---	---	---	---	16.1	11.8	8.46	7.39	---	---	1974
1975	---	---	---	---	---	---	18.0	13.4	9.00	7.03	7.31	7.41R	---	1975
1976	7.11	6.86	6.36	7.13	27.5	31.7	22.2	14.3	11.3	10.1	9.29	8.46	13.5	1976
1977	7.38	7.01	6.33	6.57	13.8	34.1	41.1	28.1	22.2	26.0	22.6	17.0	21.0	1977
1978	13.1	8.94	7.78	6.82	14.8	23.3	16.3	14.1	12.3	12.3	11.1	9.90	12.5	1978
1979	7.81	6.22	5.45	4.88	7.09	17.3	16.4	10.4	7.00	6.56	6.11	5.31	8.39	1979
1980	4.81	4.45	4.13	4.36	8.40	10.8	12.2	9.19	8.28	5.75	5.74	5.73	6.85	1980
1981	5.24	4.85	4.42	4.40	8.94	13.9	12.6	11.5	9.48	8.36	7.55	7.82	8.23	1981
1982	8.50	8.38	4.82	4.87	14.1	24.8	22.8	17.5	17.2	15.0	11.1	9.87	12.9	1982
1983	8.49	7.02	8.09	8.73	8.78	14.3	18.5	17.0	15.0	13.2	12.1	10.3	11.3	1983
1984	8.48	7.31	6.48	9.12	22.1	22.0	21.0	20.5	17.7	15.1	12.8	11.3	14.5	1984
1985	8.62	7.93	7.84	7.85	21.5	20.8	13.4	8.77	8.98	8.80	8.47	8.13	11.3	1985
1986	7.03	6.58	6.82	6.48	15.8	32.6	30.4	23.9	22.5	15.7	11.5	9.48	15.5	1986
1987	7.74	6.44	5.86	6.14	18.0	19.4	16.8	11.2	7.82	6.51	6.32	6.30	8.75	1987
1988	6.00	5.33	4.77	4.82	8.45	25.2	31.6	25.1	17.8	14.1	12.5	12.3	14.0	1988
MEAN	7.62	6.65	5.68	6.01	14.1	22.3	21.0	15.8	13.8	11.7	8.85	8.19R	12.3 R	MEAN

LOCATION - LAT 59 15 10 N LONG 105 15 10 W DRAINAGE AREA, 8 580 km² NATURAL FLOW

R - REVISED SINCE JAN 01 1987

CHIPMAN RIVER ABOVE BLACK LAKE - STATION NO. 07LC002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1973	---	---	---	---	1973
1974	---	---	---	---	1974
1975	---	---	---	---	1975
1976	37.8 AT 21:04 CST ON MAY 25	37.7 ON MAY 25	---	428 000	1976
1977	43.6 AT 15:45 CST ON JUL 5 *	43.0 ON JUN 30 *	8.75 ON APR 11	662 000	1977
1978	---	25.3E ON JUN 7	8.51 ON APR 23	398 000	1978
1979	20.2 AT 00:46 CST ON JUN 22	20.1 ON JUN 21	4.77 ON APR 13	286 000	1979
1980	12.8 AT 23:25 CST ON JUN 28	12.8 ON JUN 28	3.80 ON APR 15 *	210 000	1980
1981	14.6 AT 01:52 CST ON JUN 8	14.5 ON JUN 8	4.33 ON APR 2	260 000	1981
1982	25.8 AT 15:21 CST ON JUN 22	25.5 ON JUN 14	4.77 ON APR 26	405 000	1982
1983	---	21.0E ON JUN 30	5.44 ON APR 16	355 000	1983
1984	---	25.0E ON MAY 1	5.15E ON APR 5	459 000	1984
1985	28.3 AT 23:02 CST ON MAY 23	28.1 ON MAY 23	7.17 ON MAY 2	357 000	1985
1986	---	38.2E ON JUN 4	5.27E ON MAY 2	483 000	1986
1987	20.6 AT 01:09 CST ON JUN 24	20.4 ON JUN 23	5.63 ON APR 11	308 000	1987
1988	34.6 AT 02:07 CST ON JUL 22	34.3 ON JUL 12	4.65 ON MAR 30	444 000	1988
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		388 000	MEAN

E - ESTIMATED

CHURCHILL RIVER ABOVE DIPPER RAPIDS - STATION NO. 06BB002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1967	---	---	---	---	---	---	---	177	139	110	101	90.8	---	1967
1968	84.0	78.5	75.3	77.8	83.4	93.0	80.1	72.0	72.3	89.1	83.4	87.8	83.1	1968
1969	82.4	76.5	89.7	95.4	136	143	125	114	104	113	105	88.7	105	1969
1970	77.0	88.8	84.8	94.1	134	---	---	---	---	---	---	---	---	1970
1971	---	---	---	---	---	244	252	243	218	189	---	---	---	1971
MEAN	81.1	78.3	78.5	89.1	121	160	152	152	130	125	99.8	89.1	94.1	MEAN

LOCATION - LAT 55 57 40 N LONG 107 28 20 W DRAINAGE AREA, 85 000 km² NATURAL FLOW

CHURCHILL RIVER ABOVE DIPPER RAPIDS - STATION NO. 06BB002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1967	---	---	---	---	1967
1968	---	1030 ON NOV 13	89.7 ON APR 3	2 630 000	1968
1969	147 AT 17:00 CST ON JUN 10 *	146 ON JUN 5 *	83.4 ON APR 9 *	3 300 000	1969
1970	---	---	---	---	1970
1971	---	---	---	---	1971
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		2 870 000	MEAN

CHURCHILL RIVER ABOVE MAPLE LEAF RAPIDS - STATION NO. 05EA010

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1986	---	---	---	---	---	---	---	713R	628R	710R	713R	746R	---	1986
1987	721	744	729	751	736	718	724	695	695	697	722	737	722	1987
1988	739	738	709	812	687	645	489	674	700	607	588	583	645	1988
MEAN	730	737	719	782	713	682	607	694R	674R	671R	673R	688R	684R	MEAN

LOCATION - LAT 55 38 16 N LONG 102 13 03 W
DRAINAGE AREA, 212 000 km²
REGULATED SINCE 1926

R - REVISED SINCE JAN 01 1987

CHURCHILL RIVER ABOVE MAPLE LEAF RAPIDS - STATION NO. 05EA010

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1986	---	---	---	---	1986
1987	839 AT 09:31 CST ON APR 28 *	836 ON APR 28 *	553 ON OCT 2	22 800 000	1987
1988	770 AT 17:59 CST ON JAN 25	769 ON JAN 25	370 ON JUL 21 *	20 400 000	1988
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		21 800 000	MEAN

CHURCHILL RIVER ABOVE OTTER RAPIDS - STATION NO. 05CD002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1963	---	---	---	---	---	---	---	---	---	315	285	223	---	1963
1964	183	167	164	163	240	308	252	225	264	349	351	290	247	1964
1965	245	215	187	182	327	438	487	484	491	495	481	409	389	1965
1966	373R	328	301	290	297	353	380	346	286	268	247	226	309R	1966
1967	210	200	192	183	211	344	398	398	333	262	206	176	259	1967
1968	163	145	132	128	150	169	172	149	139	137	145	148	148	1968
1969	147	145	133	147	234	239	210	209	191	238	232	204	194	1969
1970	183	165	155	147	208	285	535	522	537	486	470	445	344	1970
1971	382	340	309	316	358	381	430	464	394	330	292	285	354	1971
1972	240	228	208	202	388	446	380	329	283	306	313	278	299	1972
1973	232	209	186	191	248	353	484	543	493	468	482	474	386	1973
1974	442	400	370	370	522	780	864	883	781	669	604	524	611	1974
1975	472	421	388	348	412	480	493	505	495	476	444	385	441	1975
1976	352	313R	288	280	290	295	446	532	474	428	395	345	370R	1976
1977	286	256	234	238	327	428	411	361	341	321	310	286	317	1977
1978	233	218	197	188	326	501	488	377	356	374	382	321	327	1978
1979	276	244	227	221	278	428	448	406	380	388	388	381	328	1979
1980	308	271	247	236	268	230	214	211	228	282	302	272	255	1980
1981	226	208	195	208	255	286	257	211	168	144	134	128	203	1981
1982	111	106	93.3	98.4	171	258	301	266	273	225	184	171	188	1982
1983	155	148	138	138	181	287	313	259	202	178	168	155	182	1983
1984	138	131	133	133	174	238	238	216	181	168	168	169	173	1984
1985	187	157	143	152	307	412	477	385	308	255	228	198	286	1985
1986	178	165	154	157	243	377	384	455	388	321	275	240	278	1986
1987	219	210	202	222	385	426	383	320	260	214	187	169	287	1987
1988	154	141	138	139	180	198	212	221	215	200	188	180	180	1988
MEAN	243R	221R	204	204	281	358	385	372	338	320	301	271	292R	MEAN

LOCATION - LAT 55 38 47 N LONG 104 44 05 W
DRAINAGE AREA, 118 000 km²
NATURAL FLOW

R - REVISED SINCE JAN 01 1987

CHURCHILL RIVER ABOVE OTTER RAPIDS - STATION NO. 05CD002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1963	---	---	---	---	1963
1964	---	398 ON OCT 29	180 E ON APR 23	7 800 000	1964
1965	---	498E ON OCT 9	187 ON MAR 28	11 800 000	1965
1966	442 AT 01:00 CST ON JAN 1	386 ON JUN 25	214 ON DEC 31	9 750 000R	1966
1967	---	419 ON JUL 24	171 E ON DEC 27	8 180 000	1967
1968	181 AT 15:30 CST ON JUL 14	180 ON JUL 14	122 E ON APR 10	4 880 000	1968
1969	251 AT 01:30 CST ON OCT 27	251 ON OCT 26	131 ON MAR 27	6 120 000	1969
1970	578 AT 17:26 CST ON JUL 15	578 ON JUL 15	144 ON APR 12	10 800 000	1970
1971	473 AT 15:40 CST ON JUL 26	470 ON JUL 26	257 ON DEC 30	11 200 000	1971
1972	467 AT 00:04 CST ON JUN 5	464 ON JUN 1	195 ON APR 2	9 480 000	1972
1973	584 AT 10:54 CST ON AUG 4	581 ON AUG 3	187 ON APR 8	11 500 000	1973
1974	932 AT 21:50 CST ON JUL 30 *	926 ON JUL 28 *	251 ON MAR 29	19 300 000	1974
1975	561 AT 01:13 CST ON JAN 7	513 ON AUG 11	340 ON APR 3	13 800 000	1975
1976	589 AT 00:12 CST ON JUL 28	588 ON JUL 28	279 E ON APR 4	11 700 000R	1976
1977	442 AT 08:07 CST ON JUN 10	439 ON JUN 9	221 ON APR 12	10 000 000	1977
1978	524 AT 23:24 CST ON JUN 30	521 ON JUL 1	181 E ON APR 10	10 300 000	1978
1979	459 AT 11:41 CST ON JUL 13	457 ON JUL 15	214 ON APR 6	10 700 000	1979
1980	330 AT 00:01 CST ON JAN 1	328 ON JAN 1	208 ON AUG 6	8 080 000	1980
1981	---	303A ON JUN 2	123 ON DEC 28	6 410 000	1981
1982	324 AT 17:28 CST ON JUN 23	323 ON JUN 23	88.5E ON APR 2 *	6 180 000	1982
1983	343 AT 08:36 CST ON JUN 29	342 ON JUN 28	135 E ON APR 4	6 040 000	1983
1984	262 AT 08:28 CST ON JUN 26	262 ON JUN 26	121 ON APR 2	5 480 000	1984
1985	503 AT 18:52 CST ON JUL 8	501 ON JUL 8	139 ON MAR 20	8 400 000	1985
1986	469 AT 08:00 CST ON AUG 12	469 ON AUG 12	149 ON MAR 25	8 800 000	1986
1987	441 AT 18:38 CST ON JUN 13	439 ON JUN 13	162 ON DEC 30	8 410 000	1987
1988	228 AT 17:14 CST ON AUG 10	226 ON AUG 7	134 ON MAR 21	5 710 000	1988
				9 220 000R	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD
R - REVISED SINCE JAN 01 1987

CHURCHILL RIVER ABOVE WINTEGO RAPIDS - STATION NO. 05EA011

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1986	---	---	---	---	---	---	---	---	618	---	---	---	---	1986
1987	788	788	716	890	881	760	725	707	704	890	787	770	727	1987
1988	774	742	708	881	888	837	528	710	701	618	805	808	850	1988
MEAN	788	784	712	836	830	888	827	708	874	883	886	888	888	MEAN

LOCATION - LAT 55 34 30 N
LONG 102 49 48 W
DRAINAGE AREA, 210 000 km^2
REGULATED SINCE 1929

CHURCHILL RIVER ABOVE WINTEGO RAPIDS - STATION NO. 05EA011

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1986	---	---	---	---	1986
1987	---	851 ON FEB 18 *	800E ON APR 28	22 800 000	1987
1988	---	780A ON JAN 8	426 ON JUL 15 *	20 600 000	1988
				21 800 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

CHURCHILL RIVER AT SANDY BAY - STATION NO. 05EA002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1928	---	---	---	---	---	---	---	---	---	384	377	351	---	1928
1929	310	306	331	298	309	378	587	685	654	645	588	507	475	1929
1930	522	529	518	510	536	785	784	584	588	593	574	589	599	1930
1931	562	535	503	578	733	822	937	955	886	894	943	868	783	1931
1932	786	718	652	648	862	1 160	1 280	1 540	1 620	1 380	1 120	826	1 080	1932
1933	780	722	708	674	1 010	1 210	1 250	1 270	1 120	886	862	782	853	1933
1934	783	714	670	657	1 230	1 490	1 460	1 320	1 150	1 070	1 010	898	1 040	1934
1935	818	782	681	680	912	1 010	928	897	858	804	780	694	817	1935
1936	636	583	558	543	578	742	787	752	687	636	587	539	645	1936
1937	495	464	418	422	470	472	480	414	353	292	298	287	402	1937
1938	282	274	269	278	371	413	387	318	293	321	329	340	323	1938
1939	343	319	309	312	437	512	570	584	585	584	584	552	510	1939
1940	497	497	430	387	442	485	428	337	310	302	345	306	398	1940
1941	312	310	308	308	314	313	308	324	314	328	331	334	317	1941
1942	348	336	334	350	388	418	381	366	387	402	405	386	373	1942
1943	397	404	405	413	410	390	384	408	387	432	415	386	405	1943
1944	403	401	388	386	380	341	368	340	389	458	452	442	421	1944
1945	527	506	488	488	586	610	612	548	517	703	708	643	574	1945
1946	588	540	515	550	706	753	781	851	1 180	884	457	488	688	1946
1947	452	444	430	418	567	1 180	1 310	881	688	574	711	786	713	1947
1948	818	748	714	694	860	1 040	1 180	1 080	750	700	838	807	820	1948
1949	567	534	522	528	542	567	1 400	1 510	1 390	1 010	835	765	888	1949
1950	701	650	618	606	652	643	614	778	712	579	528	558	670	1950
1951	541	527	518	518	588	647	684	638	683	767	670	822	700	1951
1952	580	604	578	563	523	558	487	523	531	512	577	534	553	1952
1953	523	533	519	534	578	562	567	548	536	548	603	588	553	1953
1954	561	545	527	514	578	711	622	1 240	1 290	984	870	792	788	1954
1955	688	635	664	736	988	952	818	791	700	780	820	778	785	1955
1956	742	705	677	667	647	581	524	532	528	511	520	518	584	1956
1957	532	537	521	501	528	884	857	860	611	588	578	584	582	1957
1958	516	580	578	577	783	839	824	740	751	732	713	685	711	1958
1959	637	603	587	617	773	1 130	1 230	1 040	848	803	714	690	824	1959
1960	851	849	826	887	727	1 300	1 510	1 280	1 130	886	822	788	918	1960
1961	688	689	705	712	828	1 030	778	884	841	856	838	883	731	1961
1962	661	670	650	650	686	883	867	828	798	741	678	664	770	1962
1963	702	766	735	743	787	784	1 080	778	848	784	730	682	782	1963
1964	701	685	682	676	787	708	884	856	857	893	868	787	739	1964
1965	726	705	708	700	828	801	891	904	888	885	880	798	819	1965
1966	763	725	783	748	707	823	826	723	822	850	891	889	710	1966
1967	828	851	828	816	851	757	828	810	834	886	885	868	877	1967
1968	703	725	709	675	686	832	808	802	813	835	818	854	856	1968
1969	877	872	841	711	831	848	886	801	880	870	850	868	852	1968
1970	868	850	837	842	852	858	890	726	750	857	871	864	889	1970
1971	852	488	427	428	510	583	822	1 140	978	887	793	800	712	1971
1972	787	800	773	792	862	867	833	783	716	773	758	752	806	1972
1973	781	737	741	728	770	772	747	880	804	757	781	787	787	1973
1974	707	730	771	853	1 030	1 210	1 310	1 300	1 240	1 070	978	902	1 010	1974
1975	848	837	847	886	1 080	1 030	1 000	1 070	1 080	987	871	886	988	1975
1976	884	807	780	757	811	888	810	1 080	1 200	1 200	887	891	888	1976
1977	870	888	843	884	830	1 250	1 430	1 280	1 120	825	784	814	981	1977
1978	877	859	807	763	788	900	804	773	789	1 140	958	838	885	1978
1979	892	926	890	832	887	888	760	662	682	847	871	887	831	1978
1980	887	888	854	843	872	892	887	731	717	742	789	826	773	1980
1981	819	783	746	898	700	847	883	882	627	845	852	817	874	1981
1982	823	887	888	480	813	823	487	429	498	448	803	703	848	1982
1983	884	871	843	818	481	548	842	457	745	898	704	704	828	1983
1984	722	740	713	741	828	720	898	870	842	808	882	705	870	1984
1985	742	718	888	808	758	732	782	847	803	548	834	887	877	1985
1986	744	748	732	881	747	883	841	718	898	705	720	771	705	1986
1987	738	775	788	788	782	728	731	898	898	890	724	751	735	1987
1988	771	748	730	818	881	834	905	878	702	807	888	883	883	1988
MEAN	848	833	814	809	892	778	803	782	780	715	883	885	700	MEAN

LOCATION - LAT 55 31 24 N DRAINAGE AREA, 212 000 km²
LONG 102 18 08 W REGULATED SINCE 1928

REMARKS - PRIOR TO 1975 RECORDS COLLECTED BY CHURCHILL RIVER POWER COMPANY

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1928	---	---	---	---	1928
1929	---	680 ON JUL 31	2928 ON APR 1	15 000 000	1929
1930	---	867 ON AUG 5	0 ON MAY 17 *	18 800 000	1930
1931	---	1 030 ON SEP 28	4878 ON MAR 31	34 700 000	1931
1932	---	1 700 ON SEP 8 *	588 ON APR 4	33 500 000	1932
1933	---	1 310 ON AUG 8	848 ON APR 17	30 100 000	1933
1934	---	1 590 ON JUN 29	843 ON MAR 18	32 700 000	1934
1935	---	1 040 ON JUN 8	840 ON APR 7	25 800 000	1935
1936	---	804 ON JUL 5	524 ON DEC 7	20 400 000	1936
1937	---	524 ON JAN 1	284 ON DEC 5	12 700 000	1937
1938	---	484 ON JUN 24	248 ON SEP 18	10 200 000	1938
1939	---	745 ON SEP 1	288 ON APR 23	18 100 000	1939
1940	---	527 ON FEB 8	277 ON OCT 13	12 600 000	1940
1941	---	374 ON AUG 16	288 ON MAY 27	10 000 000	1941
1942	---	439 ON NOV 6	323 ON JAN 1	11 800 000	1942
1943	---	481 ON JUN 25	326 ON AUG 13	12 800 000	1943
1944	---	837 ON OCT 17	311 ON AUG 24	13 300 000	1944
1945	---	782 ON OCT 24	430 ON MAR 31	18 100 000	1945
1946	---	1 210 ON SEP 6	394 ON DEC 1	21 100 000	1946
1947	---	1 380 ON JUL 4	413 ON APR 6	22 800 000	1947
1948	---	1 230 ON JUN 28	586 ON DEC 28	25 800 000	1948
1949	---	1 550 ON JUL 20	486 ON MAR 27	28 000 000	1949
1950	---	872 ON JUN 20	504 ON NOV 25	21 100 000	1950
1951	---	988 ON AUG 7	498 ON MAR 24	22 100 000	1951
1952	---	823 ON FEB 16	476 ON OCT 22	17 500 000	1952
1953	---	848 ON JUN 27	484 ON MAR 15	17 500 000	1953
1954	---	1 440 ON SEP 11	462 ON MAY 7	24 800 000	1954
1955	---	1 120 ON MAY 13	587 ON FEB 28	24 800 000	1955
1956	---	787 ON JAN 1	433 ON SEP 3	18 800 000	1956
1957	---	773 ON MAY 30	430 ON APR 20	18 800 000	1957
1958	---	872 ON JUN 6	558 ON MAR 17	22 400 000	1958
1959	---	1 380 ON JUN 27	575 ON MAR 8	26 000 000	1959
1960	---	1 800 ON JUL 13	478 ON APR 24	29 000 000	1960
1961	---	1 070 ON JUN 8	581 ON DEC 4	23 100 000	1961
1962	---	1 160 ON MAY 19	617 ON APR 9	24 300 000	1962
1963	---	1 270 ON JUL 17	631 ON DEC 15	24 800 000	1963
1964	---	884 ON SEP 19	513 ON JUL 20	23 400 000	1964
1965	---	848 ON JUN 7	684 ON APR 25	25 800 000	1965
1966	---	848 ON JUN 17	548 ON DEC 4	22 400 000	1966
1967	---	686 ON JUL 21	532 ON OCT 9	21 300 000	1967
1968	---	778 ON MAY 3	585 ON NOV 11	20 700 000	1968
1969	---	783 ON APR 25	515 ON JUL 27	20 800 000	1969
1970	---	886 ON JUL 8	586 ON MAR 8	21 800 000	1970
1971	---	1 250 ON JUL 30	384 ON MAR 15	22 600 000	1971
1972	---	1 120 ON MAY 28	685 ON SEP 8	25 600 000	1972
1973	---	800 ON AUG 10	686 ON JUL 2	24 200 000	1973
1974	---	1 280 ON JUL 13	674 ON JAN 18	31 800 000	1974
1975	---	1 180 ON MAY 29	788 ON JAN 22	30 600 000	1975
1976	1 300 AT 18:30 CST ON SEP 17	1 300 ON SEP 17	588 ON MAY 24	28 400 000	1976
1977	1 480 AT 18:27 CST ON JUL 11 *	1 480 ON JUL 7	731 ON MAY 14	31 200 000	1977
1978	1 210 AT 15:20 CST ON OCT 20	1 210 ON OCT 18	706 ON SEP 18	27 300 000	1978
1979	1 030 AT 14:07 CST ON DEC 24	1 010 ON DEC 24	803 ON SEP 1	25 200 000	1979
1980	932 AT 10:04 CST ON FEB 27	927 ON FEB 28	818E ON MAY 17	24 400 000	1980
1981	861 AT 19:26 CST ON JAN 18	880 ON JAN 18	841 ON AUG 3	21 300 000	1981
1982	---	730 ON DEC 25	386A ON OCT 2	17 300 000	1982
1983	1 000 AT 13:51 CST ON SEP 23	995 ON SEP 23	382 ON AUG 22	19 700 000	1983
1984	832 AT 10:59 CST ON APR 15	822 ON APR 15	486 ON OCT 9	21 200 000	1984
1985	895 AT 08:05 CST ON JUL 4	892 ON JUL 4	493 ON OCT 14	21 300 000	1985
1986	877 AT 07:57 CST ON MAY 28	873 ON MAY 24	528 ON JUL 15	22 200 000	1986
1987	848 AT 07:35 CST ON APR 29	825 ON APR 28	518 ON OCT 2	23 200 000	1987
1988	822 AT 15:47 CST ON JAN 25	820 ON JAN 25	378 ON JUL 20	20 700 000	1988
				22 100 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

CHURCHILL RIVER BELOW TRADE LAKE - STATION NO. 06CD004

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1968	---	---	---	---	---	185	188	178	172	180	183	187	---	1968
1969	---	---	---	---	---	220	243	215	209	215	248	238	303	---	1969
1970	---	---	---	---	170	198	---	---	---	882	883	---	---	---	1970
MEAN	---	---	---	---	170	208	214	202	194	380	337	211	185	---	MEAN

LOCATION - LAT 55 27 10 N
LONG 103 28 40 W
DRAINAGE AREA, 140 000 km^2
NATURAL FLOW

CHURCHILL RIVER NEAR PATUANAK - STATION NO. 06BB003

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1972	---	---	---	---	---	---	---	---	---	106	101	97.3	---	1972
1973	85.0	82.1	88.5	90.1	109	128	183	189	215	232	218	220	158	1973
1974	225	209	188	192	448	577	589	501	485	429	387	304	373	1974
1975	253	222	193	185	234	262	290	301	293	271	248	221	248	1975
1976	185	161	154	162	173	189	187	202	193	180	164	147	176	1976
1977	133	123	114	115	137	177	179	172	162	146	136	128	143	1977
1978	120	110	101	101	153	207	186	182	148	151	144	135	144	1978
1979	123	116	112	108	137	180	203	178	174	176	168	163	154	1979
1980	140	127	113	110	117	107	84.9	80.4	103	124	124	118	114	1980
1981	120	113	106	107	116	112	102	90.8	74.6	82.1	88.2	83.2	82.5	1981
1982	81.3	80.4	47.4	48.8	74.2	102	88.6	83.2	78.0	70.3	86.4	86.0	70.8	1982
1983	85.4	83.8	82.4	85.0	76.8	81.5	84.6	77.6	71.3	81.6	81.1	81.6	88.4	1983
1984	88.0	86.6	83.3	86.8	74.9	114	118	102	84.6	81.3	83.6	84.2	80.7	1984
1985	80.4	76.0	71.1	76.6	142	187	180	168	133	117	110	102	120	1985
1986	94.8	87.6	80.6	83.2	108	130	130	182	147	138	128	121	116	1986
1987	118	110	104	113	160	178	188	135	111	87.1	83.8	78.9	130	1987
1988	74.1	73.7	70.0	70.2	77.1	91.2	97.0	102	112	108	108	102	88.8	1988
MEAN	122	113	104	104	146	176	180	170	160	150	138	128	142	MEAN

LOCATION - LAT 55 55 30 N
LONG 107 43 40 W
DRAINAGE AREA, 78 700 km²
NATURAL FLOW

CHURCHILL RIVER NEAR PATUANAK - STATION NO. 06BB003

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1972	---	---	---	---	1972
1973	264 AT 20:55 CST ON OCT 14	243 ON OCT 15	85.2 ON APR 8	4 830 000	1973
1974	680 AT 00:14 CST ON JUN 25 *	614 ON MAY 28 *	175 ON APR 10	11 800 000	1974
1975	345 AT 00:15 CST ON JUL 4	311 ON AUG 9	180 E ON APR 15	7 780 000	1975
1976	226 AT 08:54 CST ON JUL 27	216 ON JUL 27	140 ON DEC 31	5 570 000	1976
1977	207 AT 02:02 CST ON JUN 26	190 ON JUL 18	108 ON APR 8	4 500 000	1977
1978	236 AT 23:45 CST ON JUN 26	216 ON JUN 18	87.4 ON APR 7	4 550 000	1978
1979	237 AT 12:03 CST ON JUL 7	213 ON JUN 25	107 E ON APR 14	4 850 000	1979
1980	158 AT 08:39 CST ON OCT 30	145 ON JAN 1	87.0A ON AUG 27	3 610 000	1980
1981	131 AT 17:55 CST ON JUL 8	122 ON JAN 5	80.0E ON DEC 31	2 920 000	1981
1982	137 AT 16:59 CST ON JUL 22	108 ON JUN 23	43.0 ON APR 10 *	2 220 000	1982
1983	104 AT 18:36 CST ON SEP 16	93.4 ON SEP 16	53.7 ON NOV 2	2 190 000	1983
1984	147 AT 15:10 CST ON JUN 30	126 ON JUN 30	52.2 ON MAR 28	2 550 000	1984
1985	---	197 ON JUN 17	87.8 ON APR 8	3 770 000	1985
1986	184 AT 20:57 CST ON AUG 15	169 ON AUG 13	77.1 ON APR 3	3 730 000	1986
1987	---	187 ON JUN 13	76.6 ON DEC 31	3 790 000	1987
1988	136A AT 22:05 CST ON SEP 8	131 A ON SEP 8	87.1 ON MAR 28	2 840 000	1988
				4 470 000	MEAN

A - MANUAL GAUGE
(SEE REFERENCE INDEX)
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

CLARKE AND THOMPSON DITCH NEAR EASTEND - STATION NO. 11AC036

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1912	---	---	0	0	0	0	0	0	0	0	---	---	---	1912
MEAN	---	---	0	0	0	0	0	0	0	0	---	---	---	MEAN

LOCATION - LAT 49 32 10 N
LONG 108 48 40 W
REGULATED

REMARKS - NO WATER WAS DIVERTED FROM 1912-22

CLEARWATER RIVER AT OUTLET OF LLOYD LAKE - STATION NO. 07CD006

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1973	---	---	---	---	---	---	---	---	---	---	21.0	16.4	---	1973
1974	15.8	13.8	12.5	15.7	41.8	42.0	36.8	34.7	30.8	28.7	25.5	21.0	28.7	1974
1975	19.7	16.2	14.8	16.2	37.6	36.8	34.8	30.1	29.2	33.1	29.4	25.4	28.8	1975
1976	21.2	16.0	16.1	25.4	36.4	32.3	25.4	24.2	27.2	26.4	25.1	20.8	28.1	1976
1977	17.6	15.7	15.8	21.7	35.4	38.8	38.1	31.8	26.3	26.3	22.2	17.3	28.8	1977
1978	15.5	14.3	13.8	16.2	33.3	31.0	30.7	23.7	25.8	33.6	27.8	23.1	24.0	1978
1979	21.8	20.1	19.1	19.3	34.8	40.3	31.8	24.8	24.2	27.1	24.8	23.1	28.8	1979
1980	19.9	18.0	17.3	21.8	27.8	20.7	17.1	15.8	15.8	18.3	18.2	14.8	18.8	1980
1981	13.3	13.2	13.8	16.9	26.7	26.3	18.1	14.7	11.3	11.2	12.4	13.4	16.1	1981
1982	11.8	8.05	8.15	8.08	26.6	32.8	24.0	22.8	21.4	20.3	18.2	17.8	18.7	1982
1983	16.4	15.8	16.2	19.4	32.6	22.0	28.0	20.1	20.3	21.8	21.1	16.4	21.8	1983
1984	16.5	15.6	16.3	22.8	27.9	24.8	22.0	20.8	21.2	22.7	21.2	16.8	21.0	1984
1985	16.8	14.8	14.1	16.5	41.6	36.8	27.7	21.8	20.7	22.8	22.8	20.2	23.1	1985
1986	16.2	17.2	16.2	20.1	37.4	33.2	32.8	36.3	26.7	25.8	21.8	20.2	26.8	1986
1987	16.8	16.5	16.8	24.5	38.6	33.7	24.4	21.2	19.2	18.7	17.6	17.6	22.8	1987
1988	16.3	14.8	14.8	17.4	34.2	36.2	33.8	30.5	26.8	26.8	23.6	23.7	26.0	1988
MEAN	17.3	15.7	15.2	19.0	34.4	32.8	26.2	24.8	23.5	24.4	22.0	19.8	23.1	MEAN

LOCATION - LAT 57 18 50 N
LONG 108 45 50 W
DRAINAGE AREA, 4 260 km²
NATURAL FLOW

CLEARWATER RIVER AT OUTLET OF LLOYD LAKE - STATION NO. 07CD006

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1973	---	---	---	---	1973
1974	51.0 IN JUN *	43.6 ON JUN 18	12.1 ON MAR 31	843 000	1974
1975	42.8 AT 17:40 CST ON MAY 25	40.5 ON MAY 25	13.6 ON APR 6	647 000	1975
1976	46.3 AT 17:07 CST ON MAY 3	40.3 ON MAY 9	15.5 ON MAR 30	782 000	1976
1977	43.8 AT 19:15 CST ON JUN 9	38.9 ON JUN 10	15.3 E ON MAR 1	808 000	1977
1978	41.6 AT 12:25 CST ON OCT 18	38.2 ON MAY 25	13.1 ON MAR 6	758 000	1978
1979	47.2 AT 18:33 CST ON MAY 27	44.7 ON MAY 28 *	16.3 ON APR 5	817 000	1979
1980	38.4 AT 12:35 CST ON MAY 6	33.1 ON MAY 9	13.6 ON AUG 27	688 000	1980
1981	32.2 AT 12:26 CST ON MAY 20	30.7 ON MAY 20	9.07 ON SEP 28	608 000	1981
1982	40.1 AT 14:00 CST ON MAY 24	37.1 ON MAY 31	7.88 ON MAR 26 *	686 000	1982
1983	37.6 AT 18:35 CST ON MAY 21	34.8 ON MAY 22	15.6 ON FEB 5	663 000	1983
1984	33.1 AT 18:51 CST ON JUN 1	30.6 ON MAY 22	15.6 E ON FEB 15	664 000	1984
1985	---	42.5E ON MAY 9	13.8 ON MAR 2	730 000	1985
1986	45.9 AT 16:02 CST ON JUN 2	41.2 ON JUN 2	15.6 ON MAR 24	806 000	1986
1987	48.7 AT 11:55 CST ON MAY 8	44.6 ON MAY 8	15.7 ON OCT 7	723 000	1987
1988	41.4 AT 02:49 CST ON MAY 16	37.9 ON MAY 17	14.3 ON FEB 10	781 000	1988
				730 000	MEAN

E - ESTIMATED

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

COLD RIVER AT OUTLET OF COLD LAKE - STATION NO. 05AF001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1952	---	---	---	---	---	---	23.8	22.5	15.4	11.8	8.15	5.66	---	1952
1953	5.20	5.65	5.93	8.75	8.71	10.9	13.8	16.3	15.1	8.73	7.22	6.05	9.37	1953
1954	3.81	3.11	4.69	8.78	15.0	48.5	56.9	76.8	79.7	58.3	38.8	27.5	34.7	1954
1955	23.5	22.8	18.6	24.7	45.7	48.0	37.8	24.6	14.6	9.76	8.94	6.31	23.6	1955
1956	7.00	7.53	7.71	8.70	14.6	18.6	26.3	23.2	18.6	16.9	12.5	10.4	14.6	1956
1957	10.6	10.6	10.7	10.2	14.5	17.4	18.6	20.3	17.4	14.6	12.0	8.81	14.0	1957
1958	6.38	8.17	8.47	14.5	28.0	30.1	21.1	13.5	9.86	7.19	4.84	3.13	13.4	1958
1959	3.00	3.44	4.79	7.14	10.6	14.8	20.0	16.2	23.5	---	---	---	---	1959
MEAN	6.67	6.76	8.86	11.3	19.7	27.0	27.5	26.7	24.5	17.8	12.6	9.71	18.3	MEAN

LOCATION - LAT 54 34 00 N, LONG 108 50 10 W
DRAINAGE AREA, 8 420 km^2
NATURAL FLOW

COLD RIVER AT OUTLET OF COLD LAKE - STATION NO. 05AF001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1952	---	---	---	---	1952
1953	---	19.3 ON AUG 10	5.07B ON DEC 31	295 000	1953
1954	---	90.0 ON AUG 23 *	1.88B ON FEB 8	1 090 000	1954
1955	---	49.6 ON MAY 30	5.69B ON DEC 20	742 000	1955
1956	---	27.9 ON JUL 18	6.85B ON JAN 4	490 000	1956
1957	---	22.8 ON JUL 24	6.16B ON DEC 31	441 000	1957
1958	---	32.8 ON MAY 31	1.16B ON DEC 8 *	421 000	1958
1959	---	27.5E ON SEP 24	2.61B ON JAN 22	---	1959
				575 000	MEAN

B - ICE CONDITIONS
E - ESTIMATED

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

CONGLOMERATE CREEK AT CROSS RANCH - STATION NO. 11AC002

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1908	---	---	---	---	---	---	---	0.130	0.159	---	---	---	---	1908
1909	---	---	---	---	0.729	0.527	0.446	0.212	0.247	0.288	---	---	---	1909
1910	---	---	---	0.305	0.248	0.138	0.098	0.137	0.177	0.213	---	---	0.186	1910
1911	---	---	---	---	0.574	0.188	0.225	0.184	0.208	0.372	---	---	---	1911
1912	---	---	---	---	0.288	0.215	0.186	0.176	0.210	0.235	---	---	---	1912
1913	---	---	---	2.32	0.305	0.275	0.236	0.163	0.188	0.197	---	---	0.518	1913
1914	---	---	---	1.18	0.280	0.197	0.101	0.124	0.200	0.245	---	---	0.326	1914
1915	---	---	---	---	0.258	0.207	0.245	0.214	0.223	0.277	---	---	---	1915
1916	---	---	---	0.808	0.387	0.247	0.180	0.185	0.209	0.288	---	---	0.298	1916
1917	---	---	---	---	1.13	0.182	0.117	0.135	0.186	0.288	---	---	---	1917
1918	---	---	---	1.11	0.281	0.186	0.117	0.188	0.171	0.226	---	---	0.322	1918
1919	---	---	---	0.773	0.281	0.105	0.098	0.155	0.208	0.223	---	---	0.262	1919
MEAN	---	---	---	1.05	0.414	0.236	0.185	0.168	0.204	0.267	---	---	0.319	MEAN

LOCATION - LAT 49 33 40 N, LONG 108 55 30 W
DRAINAGE AREA, 133 km^2
REGULATED

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1916 AND 1918

CONGLOMERATE CREEK AT CROSS RANCH - STATION NO. 11AC002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1908	---	---	---	---	1908
1909	---	---	---	---	1909
1910	---	0.340 ON APR 1	0.042 ON JUL 16 *	3 480	1910
1911	---	---	---	---	1911
1912	---	---	---	---	1912
1913	---	8.71 ON APR 8 *	0.082 ON JUN 17	8 570	1913
1914	---	2.89 B ON APR 7	0.074 ON JUL 23	8 040	1914
1915	---	---	---	---	1915
1916	---	1.05 ON APR 7	0.138 ON JUL 2	5 520	1916
1917	---	---	---	---	1917
1918	---	3.48 ON APR 10	0.081 ON JUN 30	5 840	1918
1919	---	3.83 B ON APR 3	0.089 ON JUL 17	4 830	1919
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		5 900	MEAN

CONJURING CREEK NEAR PRESCEVILLE - STATION NO. 05MC004

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1965	---	---	---	1.03	0.146	---	---	---	---	---	---	---	---	1965
1966	---	---	---	1.84	0.791	0.080	---	---	---	---	---	---	---	1966
1967	---	---	---	0.544	1.80	---	---	---	---	---	---	---	---	1967
1968	---	---	---	0.446	0	---	---	---	---	---	---	---	---	1968
1970	---	---	---	1.48	1.75	---	---	---	---	---	---	---	---	1970
1971	---	---	---	2.52	---	---	---	---	---	---	---	---	---	1971
1972	---	---	---	---	1.27	---	---	---	---	---	---	---	---	1972
1973	---	---	---	0.935	0.818	---	---	---	---	---	---	---	---	1973
1974	---	---	---	2.60	3.36	0.833	---	---	---	---	---	---	---	1974
1975	---	---	0	3.69	3.22	0.184	0.018	0.008	0.006	0.008	---	---	0.758	1975
1976	---	---	0.007	3.68	0.087	0.377	0.185	0.005	0.004	0.007	---	---	0.529	1976
1977	---	---	0.008	0.525	0.034	0.011	0.005	0.007	0.006	0.008	---	---	0.085	1977
1978	---	---	0.006	0.720	0.053	0.006	0.006	0.003	0.003	0.002	---	---	0.088	1978
1979	---	---	0.007	2.91	4.18	0.093	0.007	0.006	0.004	0.012	---	---	0.889	1979
1980	---	---	0.006	0.534	0.009	0.006	0.003	0.006	0.004	0.006	---	---	0.108	1980
1981	---	---	0.708	0.248	0.013	0.019	0.006	0.007	0.007	0.028	---	---	0.067	1981
1982	---	---	0.006	0.778	0.024	0.006	0.006	0.008	0.010	0.011	---	---	0.104	1982
1983	---	---	0.004	1.40	0.398	0.188	0.250	0.040	0.006	0.009	---	---	0.262	1983
1984	---	---	0.188	0.823	0.196	0.202	0.034	0.079	0.006	0.007	---	---	0.181	1984
1985	---	---	0.006	3.83	0.266	0.014	0.011	0.006	0.005	0.005	---	---	0.503	1985
1986	---	---	0.120	1.81	0.081	0.012	0.006	0.005	0.005	0.007	---	---	0.264	1986
1987	---	---	0.004	1.34	0.006	0.006	0.006	0.002	0.003	0.008	---	---	0.158	1987
1988	---	---	0.003	1.81	0.178	0.005	0.006	0.010	0.006	0.012	---	---	0.250	1988
MEAN	---	---	0.542	1.84	0.790	0.131	0.038	0.014	0.006	0.008	---	---	0.308	MEAN

LOCATION - LAT 51 56 30 N LONG 102 43 00 W DRAINAGE AREA, 255 km^2 NATURAL FLOW

CONJURING CREEK NEAR PRESCEVILLE - STATION NO. 05MC004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1965	---	---	---	---	1965
1966	---	---	---	---	1966
1967	---	---	---	---	1967
1968	---	---	---	---	1968
1970	---	---	---	---	1970
1971	---	---	---	---	1971
1972	---	---	---	---	1972
1973	---	---	---	---	1973
1974	---	---	---	---	1974
1975	19.6 AT 11:03 CST ON APR 28 *	18.6 ON APR 28 *	0 B ON MAR 1 *	18 000	1975
1976	14.6 AT 05:44 CST ON APR 13	13.9 ON APR 13	0.003 ON JUL 28	11 200	1976
1977	6.32 AT 20:50 CST ON APR 11	3.91 ON APR 11	0.0052 ON JUL 11	1 820	1977
1978	---	3.65 ON APR 19	0.001E ON AUG 20	2 080	1978
1979	19.6 AT 06:51 CST ON APR 28	18.2 ON APR 28	0.002 ON SEP 11	19 000	1979
1980	8.00 AT 18:39 CST ON APR 15	4.30 ON APR 15	0.001E ON JUN 3	2 280	1980
1981	---	1.008 ON APR 4	0.002 ON JUL 28	1 420	1981
1982	8.918 AT 11:35 CST ON APR 15	4.758 ON APR 15	0.001 ON JUL 5	2 210	1982
1983	14.3 B AT 07:23 CST ON APR 24	11.2 B ON APR 24	0.001E ON APR 10	5 870	1983
1984	2.728 AT 14:33 CST ON APR 2	2.268 ON APR 2	0.001 ON OCT 19	4 040	1984
1985	17.3 B AT 21:52 CST ON APR 14	12.9 B ON APR 15	0.001 ON AUG 22	10 600	1985
1986	8.438 AT 18:33 CST ON APR 2	6.83 ON APR 7	0.003E ON MAR 3	5 580	1986
1987	17.3 B AT 11:58 CST ON APR 6	10.3 B ON APR 6	0.001 ON JUL 29	3 580	1987
1988	12.2 AT 17:22 CST ON APR 7	9.44 ON APR 7	0 ON JUL 3	5 290	1988
	B - ICE CONDITIONS E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		8 520	MEAN

CONNELL CREEK NEAR CONNELL CREEK - STATION NO. 05KC002

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1967	---	---	---	1.38	---	---	---	---	---	---	---	---	---	1967
1971	---	---	---	3.43	---	---	---	---	---	---	---	---	---	1971
1972	---	---	---	---	---	---	---	---	---	---	---	---	---	1972
1975	---	---	0	2.24	2.34	3.87	0.802	0.224	0.316	0.818	---	---	1.13	1975
1976	---	---	0.127	2.55	0.908	0.706	0.487	0.105	0.107	0.201	---	---	0.604	1976
1977	---	---	0.053	0.748	0.640	0.400	0.097	0.250	0.427	0.307	---	---	0.383	1977
1978	---	---	0.186	3.88	3.31	0.332	0.188	0.262	0.411	1.12	0.460	0.356	1.18	1978
1979	0.153	0.139	0.121	4.30	5.81	2.84	0.462	0.180	0.135	0.307	---	---	1.67	1979
1980	---	---	0.162	1.19	0.244	0.173	0.178	0.258	0.400	0.887	---	---	0.407	1980
1981	---	---	0.261	0.819	0.874	0.163	0.180	0.134	0.184	0.477	---	---	0.372	1981
1982	---	---	0.076	2.26	1.70	1.47	0.387	0.235	0.180	0.371	---	---	0.628	1982
1983	---	---	0.183	0.890	1.16	1.81	2.82	0.388	0.845	0.487	---	---	1.00	1983
1984	---	---	0.378	3.71	4.41	4.12	0.429	0.187	0.237	0.482	---	---	1.72	1984
1985	---	---	0.302	4.37	1.87	1.94	0.829	0.648	0.448	0.513	---	---	1.28	1985
MEAN	0.153	0.139	0.148	2.43	2.18	1.45	0.572	0.250	0.336	0.521	0.460	0.356	0.878	MEAN

LOCATION - LAT 53 13 13 N
LONG 103 25 30 W
DRAINAGE AREA, 364 km²
NATURAL FLOW

CONNELL CREEK NEAR CONNELL CREEK - STATION NO. 05KC002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1967	---	---	---	---	1967
1971	---	---	---	---	1971
1972	31.1 AT 07:00 CST ON APR 21	---	---	---	1972
1975	---	17.6 ON JUN 26	0 B ON MAR 1 *	24 000	1975
1976	---	4.87 ON APR 17	0.054 ON AUG 26	12 800	1976
1977	---	2.26 ON APR 14	0.0518 ON MAR 1	7 880	1977
1978	18.3 AT 02:36 CST ON APR 19	15.7 ON MAY 6	0.081E ON AUG 15	24 900	1978
1979	38.6 AT 00:03 CST ON APR 20 *	26.2 B ON APR 19 *	0.0702 ON MAR 5	39 500	1979
1980	2.90 AT 03:44 CST ON APR 18	2.45 ON APR 18	0.047 ON AUG 26	8 520	1980
1981	---	1.36 ON MAY 7	0.038 ON SEP 2	7 860	1981
1982	12.7 AT 11:46 CST ON MAY 31	11.8 ON MAY 31	0.0348 ON MAR 1	17 600	1982
1983	6.89 AT 15:01 CST ON JUL 6	6.75 ON JUL 6	0.1108 ON MAR 13	21 200	1983
1984	26.2 AT 00:30 CST ON MAY 20	21.4 ON MAY 20	0.085 ON JUL 31	38 400	1984
1985	11.1 AT 17:26 CST ON APR 21	10.6 ON APR 22	0.1388 ON MAR 7	27 300	1985
				20 700	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

COTTONWOOD CREEK NEAR LUMSDEN - STATION NO. 05JF011

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1973	---	---	---	---	---	---	B	B	0	0	---	---	---	1973
1974	---	---	0	10.8	2.70	0.238	0.003	0.002	0.002	0.002	---	---	1.70	1974
1975	---	---	0	3.39	0.780	1.46	0.985	0.008	0	0	---	---	0.815	1975
1976	---	---	0.008	10.2	0.118	0.838	0.059	0	0	0	---	---	1.40	1976
1977	---	---	0	0	0.030	0	0	0	0	0	---	---	0.003	1977
1978	---	---	0.141	0.320	0.008	0	0	0	0	0	---	---	0.048	1978
1979	---	---	0	1.78	0.403	0.037	0	0	0	0	---	---	0.274	1979
1980	---	---	0.148	0.446	0	0	B	0	0	0	---	---	0.073	1980
1981	---	0	0	0	0	0	B	0	0	0	---	---	0	1981
1982	---	---	0	8.07	0.478	0.024	0.001	0	0	0	---	---	1.17	1982
1983	---	---	0	0.585	0.003	0.001	0.180	0.011	0	0	---	---	0.098	1983
1984	---	0.003	0.418	0.081	0	0	0	0	0	0	---	---	0.084	1984
1985	---	---	0.888	0.474	0.002	0	0	0	0	0	---	---	0.147	1985
1986	---	0.001	0.393	0.011	0.281	0	0	0	0	0	---	---	0.087	1986
1987	---	---	0.228	0.088	B	0	0	0	0	B	---	---	0.037	1987
1988	---	---	0	0	B	0	0	0	0	0	---	---	0	1988
MEAN	---	0.001	0.142	2.46	0.318	0.160	0.077	0.001	0	0	---	---	0.394	MEAN

LOCATION - LAT 50 35 26 N
LONG 104 54 31 W
DRAINAGE AREA, 815 km²
NATURAL FLOW

COTTONWOOD CREEK NEAR LUMSDEN - STATION NO. 05JF011

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1973	---	---	---	---	
1974	84.0 AT 01 04 CST ON APR 21 *	56.5 ON APR 21 *	0 ON JUN 6 *	---	1973
			0B ON MAR 1	36 000	1974
1975	13.8 AT 11 40 CST ON JUN 27	11.8 B ON APR 18	0B ON MAR 1	17 300	1975
1976	60.3 AT 03 43 CST ON APR 5	46.4 ON APR 5	0B ON MAR 1	28 700	1976
1977	3.37A AT 21 14 CST ON MAY 24	0.345A ON MAY 24	0B ON MAR 1	54.2	1977
1978	3.48 AT 13 45 CST ON MAR 31	2.10 ON MAR 31	0B ON MAR 1	970	1978
1979	13.2 AT 00 06 CST ON APR 22	10.8 ON APR 21	0B ON MAR 1	5 800	1979
1980	3.54B AT 14 46 CST ON MAR 31	2.23 B ON MAR 31	0B ON MAR 1	1 550	1980
1981	0 B AT 00 00 CST ON MAR 1	0 ON MAR 1	0 ON MAR 1	0	1981
1982	49.7 AT 07 02 CST ON APR 17	47.2 ON APR 17	0B ON MAR 1	24 600	1982
1983	7.36 AT 18 29 CST ON JUL 29	2.39 B ON APR 7	0B ON MAR 1	2 070	1983
1984	3.80B AT 18 49 CST ON MAR 26	3.06 B ON MAR 26	0B ON MAR 1	1 380	1984
1985	5.53 AT 01 22 CST ON APR 1	4.30 ON APR 1	0B ON MAR 1	3 110	1985
1986	3.58 AT 04 38 CST ON MAY 11	2.82 ON MAY 11	0 ON APR 12	1 830	1986
1987	1.36B AT 14 59 CST ON MAR 25	1.00 B ON MAR 25	0B ON MAR 1	702	1987
1988	---	0 ON MAR 1	0 ON MAR 1	0	1988
				6 380	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

COULEE, WEST OF BOUNDARY RESERVOIR NEAR ESTEVAN - STATION NO. 05NB018

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1980	---	---	0.014	0.170	0.018	0.020	0.003	0	0	0	---	---	0.038	1980
1981	---	---	0	0	0	0	0	0	0	0	---	---	0	1981
1982	---	---	0	0	0	0	0	0	0	0	---	---	0	1982
1985	---	---	0	0.001	0.002	0.001	0	0	0	0	---	---	0.001	1985
1986	---	---	0.033	0.011	0	0	0	0	0	0	---	---	0.005	1986
1987	---	---	0	0.001	0	0	0	0	0	0	---	---	0	1987
1988	---	---	0.002	0	0	0	0	0	0	0	---	---	0	1988
1989	---	---	0	0.018	0	0	0	0	0	0	---	---	0.002	1989
MEAN	---	---	0.005	0.025	0.003	0.003	0	0	0	0	---	---	0.005	MEAN

LOCATION - LAT 49 05 00 N LONG 103 04 23 W
DRAINAGE AREA, 137 km^2
NATURAL FLOW

COULEE, WEST OF BOUNDARY RESERVOIR NEAR ESTEVAN - STATION NO. 05NB018

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1980	---	0.646 ON APR 3 *	0B ON MAR 1 *	587	1980
1981	---	0.000 ON MAR 18	0 ON MAR 1	1.04	1981
1982	---	0.006 ON MAR 29	0 ON MAR 1	1.04	1982
1985	---	0.017 ON MAY 28	0B ON MAR 1	12.3	1985
1986	---	0.377 ON MAR 18	0 ON MAR 1	110	1986
1987	---	0.003 ON MAR 30	0 ON MAR 1	2.33	1987
1988	---	0.026 ON MAR 7	0 ON MAR 1	5.16	1988
1989	---	0.216 ON APR 8	0B ON MAR 1	47.7	1989
				88.8	MEAN

B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

COW CREEK NEAR INTERNATIONAL BOUNDARY - STATION NO. 11AE012

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1978	---	---	---	---	---	0.001	0	0	0	0	---	---	---	1978
MEAN	---	---	---	---	---	0.001	0	0	0	0	---	---	---	MEAN

LOCATION - LAT 49 01 42 W LONG 105 10 06 W
DRAINAGE AREA, 135 km^2
NATURAL FLOW

COW CREEK NEAR INTERNATIONAL BOUNDARY - STATION NO. 11AE012

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1978	---	---	0 ON JUN 1 *	---	1978
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

CREE RIVER AT OUTLET OF WAPATA LAKE - STATION NO. 07LD002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1972	---	---	---	---	---	---	---	111	102	111	87.0	74.0	---	1972
1973	71.2	69.5	75.7	110	138	111	149	132	114	105	79.0	75.8	104	1973
1974	69.5	---	---	---	---	---	147	141	137	126	99.2	92.9	---	1974
1975	90.2	77.7	76.2	104	166	152	157	139	133	127	101	83.4	119	1975
1976	76.3	75.1	76.2	143	160	136	134	158	170	171	144	108	128	1976
1977	107	116	126	157	192	197	194	161	160	164	127	105	154	1977
1978	94.5	89.7	94.2	128	166	165	142	144	151	155	111	97.1	130	1978
1979	89.4	89.3	89.0	125	191	171	144	132	135	148	126	113	131	1979
1980	104	93.6	93.6	144	137	116	117	123	115	117	91.0	87.5	110	1980
1981	78.7	78.2	83.3	108	178	135	121	109	94.7	86.8	82.5	78.4	104	1981
1982	80.2	48.0	49.3	81.9	148	126	129	138	136	121	82.4	94.1	102	1982
1983	91.1	88.0	103	121	145	153	132	127	130	126	108	88.7	118	1983
1984	82.1	81.6	85.3	138	148	148	131	121	121	114	97.8	94.1	113	1984
1985	77.6	80.2	86.1	117	223	159	146	131	143	132	109	87.0	125	1985
1986	81.1	84.2	101	127	189	155	163	163	148	135	107	112	132	1986
1987	110	106	111	137	174	139	115	106	107	102	88.9	85.2	115	1987
1988	75.0	72.6	77.7	97.8	145	146	146	138	148	134	121	115	116	1988
MEAN	86.6	84.2	89.9	122	169	148	142	135	133	128	104	93.0	120	MEAN

LOCATION - LAT 56 51 30 N DRAINAGE AREA, 20 700 km²
LONG 105 48 10 W NATURAL FLOW

CREE RIVER AT OUTLET OF WAPATA LAKE - STATION NO. 07LD002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1972	---	---	---	---	1972
1973	174 AT 18:41 CST ON JUL 18	174 ON JUL 18	84.3 ON FEB 25	3 270 000	1973
1974	---	---	---	---	1974
1975	212 AT 23:01 CST ON MAY 4	212 ON MAY 4	71.4 ON MAR 20	3 760 000	1975
1976	213 AT 01:46 CST ON APR 27	211 ON APR 27	72.8 ON JAN 25	4 080 000	1976
1977	222 AT 15:09 CST ON APR 27	220 ON APR 28	100 ON NOV 26	4 880 000	1977
1978	215 AT 21:47 CST ON MAY 6	211 ON MAY 7	82.1 ON NOV 22	4 110 000	1978
1979	224 AT 15:17 CST ON MAY 19 *	224 ON MAY 19	84.8 ON JAN 25	4 120 000	1979
1980	198 AT 19:03 CST ON APR 25	195 ON APR 25	81.6 ON DEC 31	3 480 000	1980
1981	202 AT 22:02 CST ON MAY 6	201 ON MAY 6	74.1 ON JAN 6	3 280 000	1981
1982	168 AT 17:15 CST ON MAY 8	165 ON MAY 7	47.1 ON FEB 2 *	3 220 000	1982
1983	167 AT 11:45 CST ON JUN 19	166 ON JUN 19	83.6 ON DEC 31	3 720 000	1983
1984	---	170E ON APR 21	79.2 ON FEB 1	3 670 000	1984
1985	---	249E ON MAY 9 *	75.0 ON JAN 10	3 850 000	1985
1986	216 AT 12:10 CST ON MAY 12	208 ON MAY 9	89.9 ON JAN 11	4 170 000	1986
1987	207 AT 16:32 CST ON APR 30	207 ON APR 30	75.6 ON NOV 25	3 640 000	1987
1988	158 AT 05:02 CST ON SEP 18	158 ON SEP 18	70.0 ON JAN 29	3 740 000	1988
				3 800 000	MEAN

E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

CREIGHTON TRIBUTARY NEAR TOTNES - STATION NO. 05NP014

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1968	---	---	0.006	0.002	0.002	0.001	0	0	0.001	0.001	---	---	0.002	1968
1969	---	---	0.001	0.180	0.081	0	0.004	0	0.007	0.005	---	---	0.024	1969
1970	---	---	0	0.313	0.003	0.004	0.004	0	0	0.001	---	---	0.040	1970
1971	---	---	0	0.157	0.061	0	0.001	0	0	0.001	---	---	0.020	1971
1972	---	---	0.007	0.011	0.001	0.001	0	0	0.001	0	---	---	0.003	1972
1973	---	---	0.024	0.005	0	0	0.001	0	0	0	---	---	0.005	1973
1974	---	---	0	0.189	0.017	0.021	0.004	0.005	0.001	0.001	---	---	0.031	1974
1975	---	---	0	0.189	0.065	0.002	0	0	0	0.001	---	---	0.028	1975
1976	---	---	0.029	0.047	0.001	0	0.003	0	0	0	---	---	0.010	1976
1977	---	---	0.002	0.004	0.018	0	0	0	0	0	---	---	0.002	1977
1978	---	---	0.033	0.017	0.065	0	0	0	0	0	---	---	0.008	1978
1979	---	---	0.005	0.032	0.001	0	0	0	0	0	---	---	0.004	1979
1980	---	---	0.008	0.004	0.001	0.001	0	0.012	0.001	0.001	---	---	0.004	1980
1981	---	0.003	0.018	0.002	0.001	0.001	0.007	0	0	0	---	---	0.003	1981
1982	---	---	0	0.130	0.005	0.001	0.073	0	0	0.001	---	---	0.028	1982
1983	---	0	0.009	0.006	0.003	0	0.002	0	0	0.001	---	---	0.003	1983
1984	---	---	0.004	0.003	0.001	0.024	0	0	0.001	0.002	---	---	0.004	1984
1985	---	---	0.118	0.138	0.002	0	0	0	0	0	---	---	0.032	1985
1986	---	0	0.010	0.001	0.011	0	0	0	0.001	0.001	---	---	0.003	1986
1987	---	---	0.012	0.005	0.001	0	0	0	0	0	---	---	0.002	1987
1988	---	0.001	0.005	0.002	0	0	0	0.032	0	0	---	---	0.005	1988
MEAN	---	0.001	0.014	0.069	0.004	0.003	0.006	0.003	0.001	0.001	---	---	0.012	MEAN

LOCATION - LAT 51 20 06 N DRAINAGE AREA, 13.2 km²
LONG 108 27 03 W NATURAL FLOW

CREIGHTON TRIBUTARY NEAR TOTNES - STATION NO. 08MP014

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1968	---	0.034 ON MAR 5	0 ON JUN 18 *	24.2	1968
1969	4.96 AT 17:00 CST ON APR 11	1.73 B ON APR 11	0 ON JUN 5	617	1969
1970	---	2.42 B ON APR 10 *	0B ON MAR 1	838	1970
1971	2.67 AT 17:42 CST ON APR 9	1.02 ON APR 9	0B ON MAR 1	415	1971
1972	0.340 AT 08:04 CST ON APR 5	0.0998 ON APR 1	0B ON MAR 1	85.5	1972
1973	0.2868 AT 18:11 CST ON MAR 17	0.1269 ON MAR 17	0B ON MAR 1	107	1973
1974	3.06 AT 13:27 CST ON JUN 29	1.22 ON MAR 18	0B ON MAR 1	858	1974
1975	2.34 AT 18:40 CST ON APR 19	1.01 ON APR 18	0B ON MAR 1	534	1975
1976	1.15 AT 18:49 CST ON MAR 31	0.487 ON MAR 31	0B ON MAR 1	210	1976
1977	1.06 AT 18:56 CST ON MAY 18	0.258 ON MAY 18	0 ON MAR 1	63.6	1977
1978	0.897 AT 21:53 CST ON MAY 24	0.193 ON MAR 30	0B ON MAR 1	118	1978
1979	1.16 A AT 22:46 CST ON APR 18	0.224 ON APR 18	0B ON MAR 1	84.1	1979
1980	3.76 AT 20:34 CST ON AUG 15	0.194 ON AUG 15	0B ON MAR 1	78.2	1980
1981	0.882 AT 01:27 CST ON JUL 22	0.191 ON JUL 22	0 ON APR 29	70.8	1981
1982	25.6 AT 19:35 CST ON JUL 2 *	1.87 ON JUL 2	0B ON MAR 1	555	1982
1983	0.3838 AT 18:02 CST ON MAR 28	0.1258 ON MAR 28	0B ON MAR 1	62.2	1983
1984	4.17 AT 22:47 CST ON JUN 15	0.325 ON JUN 22	0B ON MAR 1	89.0	1984
1985	4.52 B AT 19:23 CST ON MAR 31	1.72 B ON APR 1	0B ON MAR 1	584	1985
1986	0.996 AT 07:44 CST ON MAY 22	0.222 ON MAY 22	0 ON MAY 31	85.5	1986
1987	0.1218 AT 00:13 CST ON MAR 18	0.0808 ON MAR 17	0B ON MAR 1	48.0	1987
1988	8.41 AT 15:21 CST ON AUG 16	0.917 ON AUG 16	0B ON MAR 26	108	1988
				257	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

CROMARTY CREEK NEAR BIRCH HILLS - STATION NO. 05HM002

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OC. IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1963	---	---	0	0.026	---	---	---	---	---	---	---	---	---	1963
1964	---	---	---	0.107	---	---	---	---	---	---	---	---	---	1964
1965	---	---	0	0.469	---	---	---	---	---	---	---	---	---	1965
1966	---	---	0	0.594	---	---	---	---	---	---	---	---	---	1966
1967	---	---	---	---	0.036	---	---	---	---	---	---	---	---	1967
1970	---	---	---	1.13	---	---	---	---	---	---	---	---	---	1970
1971	---	---	---	0.316	---	---	---	---	---	---	---	---	---	1971
1972	---	---	0	0.417	---	---	---	---	---	---	---	---	---	1972
1974	---	---	0	0.764	---	---	---	---	---	---	---	---	---	1974
1975	---	---	0	1.01	0.148	0.008	0	0	0	0	---	---	0.143	1975
1976	---	---	0	0.361	0	0.020	0	0	0	0	---	---	0.047	1976
1977	---	---	0	0.015	0.014	0	0	0	0	0	---	---	0.004	1977
1978	---	---	0.001	1.19	0.006	0	0	0	0	0	---	---	0.147	1978
1979	---	---	0	1.19	0.220	0.025	0	0	0	0	---	---	0.177	1979
1980	---	---	0	0.642	0	0	0	0	0	0	---	---	0.078	1980
1981	---	---	0.022	0.004	0.002	0.001	0.012	0	0	0	---	---	0.005	1981
1982	---	---	0	0.388	0	0	0	0	0	0	---	---	0.048	1982
1983	---	---	0	0.224	0.017	0	0.024	0	0	0	---	---	0.033	1983
1984	---	---	0.122	0.154	0.018	0.080	0	0	0	0	---	---	0.048	1984
1985	---	---	0	2.68	0.052	0	0	0	0	0	---	---	0.357	1985
1986	---	---	0.251	0.048	0.001	0	0	0	0	0	---	---	0.036	1986
1987	---	---	0	0.378	0.001	0	0	0	0	0	---	---	0.047	1987
1988	---	---	0	0.653	0	0	0	0	0	0	---	---	0.080	1988
MEAN	---	---	0.021	0.588	0.034	0.010	0.003	0	0	0	---	---	0.080	MEAN

LOCATION - LAT 53 57 32 N DRAINAGE AREA, 71.7 km^2
LONG 108 28 18 W NATURAL FLOW

CROMARTY CREEK NEAR BIRCH HILLS - STATION NO. 05HH002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1963	---	0.510 ON APR 7	OE ON MAR 1 *	---	1963
1964	---	---	---	---	1964
1965	---	6.71 ON APR 11	OE ON MAR 1	---	1965
1966	---	3.08 ON APR 3	OE ON MAR 1	---	1966
1967	---	---	---	---	1967
1970	---	---	---	---	1970
1971	---	---	---	---	1971
1972	---	3.03 B ON APR 18	OE ON MAR 1	---	1972
1974	---	---	---	---	1974
1975	---	5.07 ON APR 18	OE ON MAR 1	3 030	1975
1976	---	2.28 ON APR 6	OE ON MAR 1	990	1976
1977	0.280 AT 10:44 CST ON MAY 20	0.147 ON MAY 29	OE ON MAR 1	74.2	1977
1978	7.84 AT 22:00 CST ON APR 9	5.44 ON APR 10	OE ON MAR 1	3 110	1978
1979	---	7.00 ON APR 24	OE ON MAR 1	3 730	1979
1980	8.14 B AT 00:00 CST ON APR 14	6.34 B ON APR 14	OE ON MAR 1	1 680	1980
1981	---	0.150E ON MAR 31	OE ON MAR 1	105	1981
1982	5.63 AT 22:28 CST ON APR 14	3.82 ON APR 14	OE ON MAR 1	1 010	1982
1983	---	1.67 ON APR 18	OE ON MAR 1	892	1983
1984	1.21 AT 17:39 CST ON JUN 8	0.805 ON JUN 8	OE ON MAR 1	877	1984
1985	33.0 AT 22:44 CST ON APR 13 *	18.4 ON APR 20 *	OE ON MAR 1	7 650	1985
1986	4.67 B AT 04:27 CST ON MAR 28	2.98 B ON MAR 28	OE ON MAR 1	801	1986
1987	5.28 B AT 22:42 CST ON APR 5	4.60 B ON APR 6	OE ON MAR 1	865	1987
1988	8.72 B AT 22:06 CST ON APR 7	4.49 B ON APR 7	OE ON MAR 1	1 690	1988
				1 690	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

CROOKED HILL CREEK NEAR CANORA - STATION NO. 05MB005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1956	---	---	---	1.81	0.84	0.083	---	---	---	---	---	---	---	1956
1957	---	---	---	1.55	0.820	---	---	---	---	---	---	---	---	1957
1958	---	---	0.005	0.131	---	---	---	---	---	---	---	---	---	1958
1959	---	---	0.008	0.065	---	---	---	---	---	---	---	---	---	1959
1960	---	---	---	3.10	0.078	---	---	---	---	---	---	---	---	1960
1962	---	---	---	0.308	0.035	---	---	---	---	---	---	---	---	1962
1963	---	---	0.044	0.133	---	---	---	---	---	---	---	---	---	1963
1964	---	---	0	0	0	0	0	0	0	0	---	---	0	1964
1965	---	---	E	0.569	0.044	0.025	0	0	0	0	---	---	0.076	1965
1966	---	---	0	2.69	0.513	0.125	0.029	0.006	0	0	---	---	0.414	1966
1967	---	---	0	0.380	1.50	0.037	0	0	0	0	---	---	0.238	1967
1968	---	---	0.005	0.364	0		0	0	0	0	---	---	0.048	1968
1969	---	---	0	1.49	0.036	0	0	0	0	0	---	---	0.183	1969
1970	---	---	0	0.768	0.522	0.026	0.031	0	0	0	---	---	0.148	1970
1971	---	---	0	4.17	0.527	0	0	0	0.002	0.107	---	---	0.592	1971
1972	---	---	0	5.46	1.46	0.014	0	0	0	0	---	---	0.803	1972
1973	---	---	0.039	0.006	0.033	0.005	0.011	0	0	0	---	---	0.018	1973
1974	---	---	E	4.66	3.42	0.880	0	0	0	0	---	---	1.14	1974
1975	---	---	0	4.21	3.98	0.035	0.033	E	0	0	---	---	0.803	1975
1976	---	---	E	9.81	0.148	0.419	0.063	0.006	0	0	---	---	1.25	1976
1977	---	---	0	1.12	0.026	0	0	0	0	0	---	---	0.140	1977
1978	---	---	0.001	0.808	0.049	0	0	0	0	0	---	---	0.117	1978
1979	---	---	0	4.71	4.20	0.722	0	E	0	0	---	---	1.20	1979
1980	---	---	0	2.68	0.057	0.007	0.003	0	0	0	---	---	0.336	1980
1981	---	---	E.005	0.004	0	0	0	0	0	0	---	---	0.013	1981
1982	---	---	0.009	0.145	0.004	0.001	0.186	0.008	0.001	0.001	---	---	0.045	1982
1983	---	---	E	3.63	2.16	0.086	0.068	0.110	0.003	0	---	---	0.736	1983
1984	---	---	0.018	0.838	0.004	0.085	0.001	0	0	0	---	---	0.175	1984
1985	---	---	0	7.49	0.464	0.024	0.003	0	0	0	---	---	0.877	1985
1986	---	---	0.287	4.76	0.107	0.017	0.020	0.006	0	0	---	---	0.642	1986
1987	---	---	0.021	2.76	0.021	0	0.383	0.033	0.001	0.002	---	---	0.388	1987
1988	---	---	0.003	5.28	0.480	0.001	0	0	0	0	---	---	0.704	1988
MEAN	---	---	0.041	2.35	0.818	0.081	0.034	0.007	0	0.004	---	---	0.487	MEAN

LOCATION - LAT 51 39 48 N DRAINAGE AREA, 982 km^2
LONG 102 28 41 W REGULATED

CROOKED HILL CREEK NEAR CANORA - STATION NO. 05MB006

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1956	---	---	---	---	1956
1957	---	5.52 ON APR 24	0E ON APR 1 *	---	1957
1958	---	---	0E ON MAR 1	---	1958
1959	---	---	0E ON MAR 1	---	1959
1960	---	8.35 ON APR 17	0E ON APR 1	---	1960
1961	---	2.36 ON APR 25	0E ON APR 1	---	1961
1962	---	0.215 ON APR 7	0E ON MAR 1	---	1962
1963	---	0 ON MAR 1	0 ON MAR 1	0	1963
1964	---	2.18 B ON APR 17	0B ON MAR 1	1 880	1964
1965	---	10.4 ON APR 16	0B ON MAR 1	8 780	1965
1966	---	5.84 B ON MAY 2	0B ON MAR 1	5 080	1966
1967	---	1.14 ON APR 12	0 ON MAR 1	1 010	1967
1968	---	5.76 ON APR 16	0B ON MAR 1	3 880	1968
1969	---	1.70 ON APR 15	0B ON MAR 1	3 580	1969
1970	---	14.7 B ON APR 20	0B ON MAR 1	12 500	1970
1971	---	17.3 ON APR 24	0B ON MAR 1	18 100	1971
1972	17.4 ON APR 24	0.201B ON MAR 28	0B ON MAR 1	387	1972
1973	---	18.5 ON APR 26	0B ON MAR 1	24 000	1973
1974	---	16.3 ON APR 28	0B ON MAR 1	18 100	1974
1975	---	30.6 ON APR 17 *	0B ON MAR 1	26 800	1975
1976	31.1 AT 18:41 CST ON APR 17 *	3.89 ON APR 16	0B ON MAR 1	2 880	1976
1977	4.47 AT 11:50 CST ON APR 14	3.45 ON APR 16	0B ON MAR 1	2 480	1977
1978	4.53 AT 20:59 CST ON APR 16	21.7 ON APR 27	0B ON MAR 1	25 300	1978
1979	22.1 AT 18:32 CST ON APR 28	12.6 ON APR 17	0B ON MAR 1	7 150	1979
1980	13.6 AT 09:17 CST ON APR 17	0.400B ON MAR 21	0 ON APR 25	275	1980
1981	1.13B AT 12:00 CST ON MAR 21	1.84 E ON JUL 17	0B ON MAR 1	880	1981
1982	2.83A AT 06:00 CST ON JUL 17	19.6 ON APR 25	0B ON MAR 1	15 800	1982
1983	20.8 AT 23:00 CST ON APR 24	3.65 ON MAR 27	0B ON MAR 1	3 700	1983
1984	4.03 AT 18:50 CST ON MAR 27	22.8 ON APR 15	0B ON MAR 1	20 700	1984
1985	23.0 AT 12:28 CST ON APR 15	13.7 ON APR 5	0B ON MAR 1	13 800	1985
1986	14.2 AT 07:55 CST ON APR 5	12.3 ON APR 7	0B ON MAR 1	8 350	1986
1987	14.1 AT 20:55 CST ON APR 8	15.8 ON APR 5	0B ON MAR 1	14 800	1987
1988	17.1 AT 18:28 CST ON APR 5				1988
				9 870	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

CRYSTAL CREEK NEAR IFFLEY - STATION NO. 05EE004

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1960	---	---	---	0.839	0.188	---	---	---	---	---	---	---	---	1960
1961	---	---	0.027	0.981	0.186	---	---	---	---	---	---	---	---	1961
1962	---	---	---	0.305	0.042	---	---	---	---	---	---	---	---	1962
1963	---	---	---	0.321	0.037	---	---	---	---	---	---	---	---	1963
1964	---	---	---	---	---	---	---	---	---	---	---	---	---	1964
								0.220	0.248	0.218	---	---	---	
1965	---	---	---	---	0.172	0.400	0.321	0.088	0.071	0.116	---	---	---	1965
1966	---	---	0.184	1.67	0.323	0.248	0.330	0.178	0.165	0.173	---	---	0.380	1966
1967	---	---	0	0.231	0.344	0.214	0.234	0.234	0.128	0.087	---	---	0.182	1967
1968	---	---	0.839	0.839	0.271	0.174	0.210	0.185	0.184	0.203	---	---	0.314	1968
1969	---	---	0.059	3.46	0.326	0.227	0.222	0.126	0.142	0.188	---	---	0.588	1969
1970	---	---	0.145	3.77	0.412	0.276	0.440	0.169	0.131	0.228	---	---	0.688	1970
1971	---	---	0.110	0.882	0.317	0.281	0.282	0.212	0.138	0.183	---	---	0.282	1971
1972	---	---	0.187	1.02	0.378	0.184	0.171	0.121	0.180	0.188	---	---	0.287	1972
1973	---	---	0.223	1.61	0.456	0.367	0.238	0.218	0.122	0.183	---	---	0.418	1973
1974	---	---	0.264	3.42	0.822	0.270	0.214	0.136	0.132	0.237	---	---	0.707	1974
1975	---	---	0.127	2.670	2.466	0.300	0.135	0.111	0.088	0.115	---	---	0.240	1975
1976	---	---	0.128	0.411	0.219	0.185	0.325	0.178	0.132	0.172	---	---	0.216	1976
1977	---	---	0	0.272	0.504	0.181	0.111	0.088	0.094	0.182	---	---	0.174	1977
1978	---	---	0.104	0.903	0.388	0.301	0.055	0.068	0.082	0.081	---	---	0.247	1978
1979	---	---	0.093	2.49	2.02	0.342	0.207	0.187	0.097	0.020	---	---	0.680	1979
1980	---	---	0.102	0.748	0.285	0.178	0.077	0.070	0.122	0.180	---	---	0.222	1980
1981	---	---	0.223	1.14	0.240	0.048	0.088	0.048	0.032	0.232	---	---	0.288	1981
1982	---	---	0.081	0.894	0.339	0.185	0.291	0.085	0.068	0.102	---	---	0.280	1982
1983	---	---	0.131	1.10	0.355	0.400	0.391	0.072	0.207	0.134	---	---	0.348	1983
1984	---	---	0.234	1.08	0.437	0.457	0.188	0.038	0.027	0.025	---	---	0.308	1984
1985	---	---	0.131	5.26	1.62	0.230	0.141	0.108	0.122	0.138	---	---	0.883	1985
1986	---	---	0.181	1.16	0.278	0.180	0.238	0.138	0.068	0.083	---	---	0.301	1986
1987	---	---	0.142	0.888	0.238	0.180	0.201	0.278	0.148	0.122	---	---	0.284	1987
1988	---	---	0.174	0.781	0.281	0.288	0.372	0.178	0.105	0.127	---	---	0.288	1988
MEAN	---	---	0.184	1.37	0.438	0.260	0.227	0.141	0.121	0.148	---	---	0.377	MEAN

LOCATION - LAT 52 58 47 N, LONG 105 09 23 W
DRAINAGE AREA, 500 km^2
NATURAL FLOW

REMARKS - RECORDS PRIOR TO SEP 17 1979 OBTAINED IN SW29-48-15-W3

CRYSTAL CREEK NEAR IFFLEY - STATION NO. 05EG004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1980	---	2.73 ON APR 11	0 E ON APR 1 *	---	1980
1981	---	2.35 ON APR 3	0 E ON MAR 1	---	1981
1982	---	1.57 ON APR 18	0 E ON APR 1	---	1982
1983	---	0.637 ON APR 11	0 E ON APR 1	---	1983
1984	---	---	---	---	1984
1985	---	8.07 B ON APR 15	0 ON MAY 10	---	1985
1986	---	3.40 ON APR 15	0.096 ON AUG 4	5 250	1986
1987	0.871 AT 20:30 CST ON MAY 1	0.852 ON MAY 1	0 B ON MAR 1	3 640	1987
1988	1.88 B AT 21:00 CST ON MAR 27	1.76 B ON MAR 28	0.0288 ON MAR 1	5 880	1988
1989	21.5 AT 20:00 CST ON APR 12	20.2 ON APR 12	0.0578 ON MAR 1	12 400	1989
1970	11.8 AT 13:23 CST ON APR 16	10.7 ON APR 16	0.113 ON SEP 14	14 600	1970
1971	2.77 B AT 02:21 CST ON APR 16	2.58 B ON APR 16	0.1108 ON MAR 1	5 180	1971
1972	3.40 AT 19:54 CST ON APR 22	3.08 ON APR 22	0.096 ON AUG 26	5 280	1972
1973	5.27 AT 16:50 CST ON APR 5	4.50 ON APR 5	0.057 ON SEP 11	5 670	1973
1974	23.3 AT 04:45 CST ON APR 21 *	20.9 ON APR 21 *	0.096 ON SEP 5	15 000	1974
1975	---	1.86 ON APR 25	0.018 ON AUG 24	5 080	1975
1976	2.01 AT 22:00 CST ON JUL 13	1.85 ON JUL 14	0.054 ON JUL 7	4 570	1976
1977	1.87 AT 14:22 CST ON MAY 20	1.77 ON MAY 20	0 B ON MAR 1	3 660	1977
1978	---	2.10 B ON APR 14	0.003E ON JUL 18	5 230	1978
1979	13.9 AT 07:52 CST ON APR 28	13.5 ON APR 28	0.014 ON OCT 17	14 400	1979
1980	3.19 AT 10:50 CST ON APR 19	3.08 ON APR 19	0.007 ON AUG 21	4 700	1980
1981	2.03 B AT 20:26 CST ON APR 7	1.93 B ON APR 6	0.001 ON JUN 19	5 400	1981
1982	2.82 AT 19:31 CST ON APR 25	2.76 ON APR 25	0.018 ON AUG 13	5 600	1982
1983	3.32 AT 13:13 CST ON APR 21	3.20 ON APR 21	0.001 ON AUG 23	7 320	1983
1984	2.44 AT 23:22 CST ON APR 6	2.36 ON APR 7	0.014 ON AUG 29	6 530	1984
1985	15.3 AT 23:40 CST ON APR 20	14.2 ON APR 21	0.008 ON AUG 8	20 600	1985
1986	3.37 B AT 22:56 CST ON APR 6	3.26 B ON APR 6	0.001 ON SEP 3	5 370	1986
1987	3.71 AT 06:05 CST ON APR 5	3.54 ON APR 5	0.014 ON SEP 30	5 010	1987
1988	2.41 B AT 22:40 CST ON APR 10	2.21 B ON APR 10	0.040 ON AUG 13	5 030	1988
	B - ICE CONDITIONS E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		7 890	MEAN

CUMBERLAND DITCH NEAR PIAPOT - STATION NO. 05HA034

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1915	---	---	0	0	0.083	0.038	0	0	0	0	---	---	0.011	1915
MEAN	---	---	0	0	0.083	0.038	0	0	0	0	---	---	0.011	MEAN

LOCATION - LAT 49 54 20 N
LONG 109 14 25 W REGULATED

CUMBERLAND DITCH NEAR PIAPOT - STATION NO. 05HA034

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1915	---	0.295 ON JUN 1 *	0 ON MAR 1 *	235	1915
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		235	MEAN

CUTARM CREEK NEAR SPY HILL - STATION NO. 05JM015

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1942	---	---	---	3.68	0.268	0.272	0.128	0.478	0.193	0.188	---	---	---	1942
1943	---	---	---	3.10	0.378	0.551	0.085	0.136	0.129	0.127	---	---	---	1943
1944	---	---	---	0.898	0.387	0.638	0.172	0.133	0.185	0.115	---	---	---	1944
1945	---	---	---	0.640	0.485	0.388	0.280	0.080	0.157	0.188	---	---	---	1945
1946	---	---	---	0.853	0.252	0.113	0.430	0.088	0.130	0.283	---	---	---	1946
1947	---	---	---	---	0.838	1.62	0.320	0.087	0.111	0.123	---	---	---	1947
1948	---	---	---	---	1.38	0.140	0.181	0.080	0.027	0.191	---	---	---	1948
1949	---	---	---	1.21	0.282	0.844	0.170	0.120	0.088	0.118	0.118	---	---	1949
1950	---	---	---	1.55	0.578	0.401	0.342	0.058	0.049	0.223	---	---	---	1950
1951	---	---	---	2.07	0.654	0.382	0.099	0.084	0.202	0.248	---	---	---	1951
1952	---	---	---	2.21	0.283	0.272	0.136	0.085	0.203	0.103	---	---	---	1952
1953	---	---	---	3.28	0.634	1.63	0.763	1.47	0.558	0.827	---	---	---	1953
1954	---	---	---	4.05	1.88	5.03	3.63	0.438	0.821	0.936	0.578	---	---	1954
1955	---	---	---	8.83	5.18	1.19	0.512	0.180	0.307	0.400	---	---	---	1955
1956	---	---	---	7.47	4.72	0.850	0.366	0.799	0.884	0.488	---	---	---	1956
1957	---	---	0.570	2.97	0.738	0.267	0.125	0.151	0.143	0.284	---	---	0.648	1957
1958	---	---	0.457	0.868	0.328	0.237	0.150	0.081	0.093	0.017	---	---	0.288	1958
1959	---	---	0.833	0.983	0.431	0.318	0.110	0.020	0.051	0.309	---	---	0.353	1959
1960	---	---	0.054	2.08	0.898	0.207	0.018	0	0	0.121	---	---	0.380	1960
1961	---	---	0.372	0.882	0.383	0.085	0	0	0	0.087	---	---	0.182	1961
1962	---	---	0.101	1.40	0.401	0.228	0.042	0.083	0.055	0.120	---	---	0.298	1962
1963	---	---	0.833	0.883	0.278	0.440	0.323	0.320	0.280	0.473	---	---	0.411	1963
1964	---	---	0.005	1.87	1.00	0.317	0.040	0.183	0.089	0.187	---	---	0.455	1964
1965	---	---	0.074	2.13	0.575	0.283	0.087	0	0.028	0.303	---	---	0.492	1965
1966	---	---	0.274	0.405	0.807	0.070	0.053	0.074	0.010	0.015	---	---	0.227	1966
1967	---	---	0	1.72	0.380	0.003	0	0	0	0	---	---	0.261	1967
1968	---	---	0.524	0.838	0.188	0.070	0.027	0.088	0.005	0.021	---	---	0.180	1968
1969	---	---	0.011	2.87	0.333	0.088	0.342	0.074	0.088	0.018	---	---	0.442	1969
1970	---	---	0	1.89	0.547	0.187	0.238	0.187	0.171	0.188	---	---	0.431	1970
1971	---	---	0	1.17	0.308	0.234	0.286	0.182	0.171	0.242	---	---	0.304	1971
1972	---	---	0.086	1.57	0.487	0.171	0.127	0.159	0.111	0.094	---	---	0.348	1972
1973	---	---	0.134	0.834	0.117	0.334	0.171	0.048	0.084	0.128	---	---	0.128	1973
1974	---	---	0.088	3.77	1.10	0.214	0.028	0.088	0.087	0.028	---	---	0.881	1974
1975	---	---	0.040	2.86	1.00	0.312	0.082	0.188	0.281	0.188	---	---	0.811	1975
1976	---	---	0.233	7.28	0.324	0.888	0.035	0.020	0.084	0.008	---	---	1.06	1976
1977	---	---	0.085	0.172	0.872	0.058	0.022	0.035	0.048	0.093	---	---	0.133	1977
1978	---	---	0.135	0.818	0.218	0.058	0.044	0.048	0.088	0.018	---	---	0.188	1978
1979	---	---	0.005	3.82	1.01	0.048	0.017	0.028	0.048	0.033	---	---	0.884	1979
1980	---	---	0.072	0.885	0.030	0.001	0.001	0.001	0.001	0.001	---	---	0.123	1980
1981	---	---	0.171	0.148	0.118	0.223	0.014	0.001	0	0.007	---	---	0.084	1981
1982	---	---	0.048	0.801	0.181	0.021	0.018	0.012	0.001	0.018	---	---	0.148	1982
1983	---	---	0.012	1.87	0.804	0.048	0.147	0.031	0.103	0.094	---	---	0.347	1983
1984	---	---	0.135	0.403	0.184	0.022	0	0	0.018	0.029	---	---	0.098	1984
1985	---	---	0.280	3.88	0.118	0.123	0.053	0.120	0.083	0.081	---	---	0.891	1985
1986	---	---	1.38	1.01	0.808	0.077	0.138	0.042	0.044	0.027	---	---	0.603	1986
1987	---	---	0.404	1.72	0.048	0.083	0.088	0.013	0.008	0.011	---	---	0.288	1987
1988	---	---	0.333	0.821	0.438	0.080	0.001	0.038	0	0	---	---	0.214	1988
MEAN	---	---	0.235	2.05	0.888	0.418	0.218	0.135	0.140	0.158	0.347	---	0.388	MEAN

LOCATION - LAT 50 35 27 N DRAINAGE AREA, 788 km²
LONG 101 44 34 W REGULATED SINCE 1967

CUTARM CREEK NEAR SPY HILL - STATION NO. 05JM015

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1942	---	---	---	---	1942
1943	---	---	---	---	1943
1944	---	---	---	---	1944
1945	---	---	---	---	1945
1946	---	---	---	---	1946
1947	---	---	---	---	1947
1948	---	18.6 ON APR 24	---	---	1948
1949	---	---	---	---	1949
1950	---	---	---	---	1950
1951	---	---	---	---	1951
1952	---	---	---	---	1952
1953	---	---	---	---	1953
1954	---	---	---	---	1954
1955	---	---	---	---	1955
1956	---	25.6 ON APR 23 *	---	---	1956
1957	---	8.40 B ON APR 11	0.0288 ON MAR 1	13 700	1957
1958	---	3.57 B ON APR 2	0 ON AUG 16 *	8 110	1958
1959	---	4.83 B ON MAR 30	0 ON AUG 23	7 480	1959
1960	---	4.42 ON APR 15	0 ON JUL 17	8 040	1960
1961	---	1.03 B ON MAR 25	0 ON JUN 27	3 880	1961
1962	---	8.20 B ON APR 21	0 ON MAY 26	8 310	1962
1963	---	2.55 B ON MAR 28	0 B ON MAR 1	8 710	1963
1964	---	5.88 B ON APR 12	0 B ON MAR 1	9 630	1964
1965	---	11.6 B ON APR 14	0 ON JUL 18	10 400	1965
1966	---	5.41 ON MAY 4	0 B ON MAR 1	4 800	1966
1967	---	5.49 B ON APR 22	0 B ON MAR 1	5 520	1967
1968	---	2.80 B ON MAR 30	0 B ON MAR 1	3 800	1968
1969	---	9.37 B ON APR 14	0 B ON MAR 1	9 360	1969
1970	---	5.38 B ON APR 13	0 B ON MAR 1	9 130	1970
1971	---	4.78 B ON APR 13	0 B ON MAR 1	8 440	1971
1972	---	3.86 ON APR 20	0 B ON MAR 1	7 300	1972
1973	1.23 AT 03:20 CST ON JUN 4	0.932 ON JUN 4	0.002 ON SEP 20	2 700	1973
1974	18.5 AT 15:30 CST ON APR 21	18.3 ON APR 21	0 ON JUL 31	14 000	1974
1975	8.36 AT 21:06 CST ON APR 21	8.27 ON APR 22	0.031A ON SEP 9	12 800	1975
1976	24.9 AT 21:02 CST ON APR 9 *	24.6 ON APR 11	0.001 ON AUG 14	22 500	1976
1977	1.31 AT 03:41 CST ON MAY 10	1.27 ON MAY 10	0.001 ON JUN 9	2 810	1977
1978	2.458 AT 05:06 CST ON APR 2	1.81 B ON APR 2	0 B ON MAR 1	4 010	1978
1979	17.8 B AT 11:16 CST ON APR 23	15.7 ON APR 24	0 ON AUG 28	12 800	1979
1980	4.838 AT 10:52 CST ON APR 10	3.12 B ON APR 10	B ON JUN 8	2 810	1980
1981	1.22 AT 17:03 CST ON JUN 8	0.717 ON JUN 18	B ON AUG 15	1 760	1981
1982	4.818 AT 18:21 CST ON APR 18	3.08 B ON APR 18	B ON SEP 2	3 070	1982
1983	8.86 AT 18:35 CST ON APR 23	8.60 ON APR 23	0 B ON MAR 1	7 380	1983
1984	1.429 AT 14:05 CST ON APR 3	0.9778 ON MAR 23	0 ON JUN 6	2 070	1984
1985	13.1 B AT 10:42 CST ON APR 8	11.2 B ON APR 8	0 ON JUN 26	13 500	1985
1986	7.069 AT 22:02 CST ON MAR 26	5.42 B ON MAR 26	0.001 ON SEP 2	8 640	1986
1987	7.24 AT 19:56 CST ON APR 8	6.62 ON APR 8	0 ON JUN 19	8 110	1987
1988	---	2.86 B ON APR 8	0 ON JUL 18	4 530	1988
				7 520	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

CUTKNIFE CREEK NEAR CUTKNIFE - STATION NO. 05FF003

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1968	---	---	---	---	---	---	---	---	---	---	---	---	---	1968
1969	---	---	0	8.27	---	---	---	---	---	---	---	---	---	1969
1970	---	---	0	8.83	---	---	---	---	---	---	---	---	---	1970
1971	---	---	---	---	---	---	---	---	---	---	---	---	---	1971
1972	---	---	---	---	---	---	---	---	---	---	---	---	---	1972
1974	---	---	0	5.57	---	---	---	---	---	---	---	---	---	1974
1975	---	---	0	1.20	0.209	0.010	0.812	0.005	0.003	0.005	---	---	0.278	1975
1976	---	---	0	5.89	0.032	0.007	0.003	0.003	0.002	0.002	---	---	0.728	1976
1977	---	---	0.003	0.003	0.004	0.003	0.003	0.003	0.003	0.005	---	---	0.004	1977
1978	---	---	0	0.281	0.054	0.005	0.001	0.001	0.002	0.002	---	---	0.044	1978
1979	---	---	0.060	2.06	0.051	0.005	0	0	0	0	---	---	0.287	1979
1980	---	---	0	0.439	0.004	0.001	0.001	0.001	0.001	0.003	---	---	0.055	1980
1981	---	---	0.291	0.513	0.058	0.551	0.001	0.001	0	0.001	---	---	0.101	1981
1982	---	---	0	0.003	0.035	0.018	0.471	0.003	0.001	0.001	---	---	0.075	1982
1983	---	---	0.004	2.00	0.027	0.563	0.255	0.003	0.002	0.002	---	---	0.282	1983
1984	---	---	1.39	0.318	0.006	0.565	0.001	0.002	0.002	0.002	---	---	0.217	1984
1985	---	---	0.004	8.84	0.237	0.011	0.002	0.002	0.001	0.001	---	---	1.13	1985
1986	---	---	1.15	0.446	0.017	0.582	0.004	0.006	0.002	0.002	---	---	0.205	1986
1987	---	---	0.017	1.75	0.058	0.002	0.002	0.002	0.001	0.001	---	---	0.218	1987
1988	---	---	0.008	0.038	0.005	0.562	0.001	0.001	0	0.001	---	---	0.007	1988
MEAN	---	---	0.172	2.51	0.050	0.008	0.111	0.002	0.001	0.002	---	---	0.258	MEAN

LOCATION - LAT 52 46 16 N
LONG 108 48 52 W
DRAINAGE AREA, 403 km^2
NATURAL FLOW

CUTKNIFE CREEK NEAR CUTKNIFE - STATION NO 05FF003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1968	---	---	0 B ON MAR 21 *	---	1968
1969	---	75.8 ON APR 12	0 B ON MAR 1	---	1969
1970	---	88.0 B ON APR 12	0 B ON MAR 1	---	1970
1971	---	58.9 B ON APR 14	---	---	1971
1972	---	86.1 ON APR 7	---	---	1972
1974	---	85.0 E ON APR 18 *	0 B ON MAR 1	---	1974
1975	---	15.8 E ON JUL 6	0 B ON MAR 1	5 800	1975
1976	---	53.0 ON APR 7	0 B ON MAR 1	16 400	1976
1977	---	0.009 ON MAY 21	0 E ON JUN 26	75.6	1977
1978	---	0.8008 ON APR 8	0 B ON MAR 1	825	1978
1979	20.4 B AT 05 23 CST ON APR 19	17.1 B ON APR 19	0 B ON MAR 1	5 650	1979
1980	---	1.80 B ON APR 10	0 B ON MAR 1	1 170	1980
1981	7.86 B AT 14 28 CST ON APR 1	5.21 B ON APR 1	0 B ON MAR 1	2 140	1981
1982	11.0 AT 02 37 CST ON JUL 3	5.81 ON JUL 3	0 B ON MAR 1	1 580	1982
1983	14.0 B AT 06 33 CST ON APR 7	12.2 B ON APR 7	0.002 ON JUN 14	5 970	1983
1984	10.2 AT 10 00 CST ON MAR 27	9.09 B ON MAR 27	0.0018 ON MAR 1	4 600	1984
1985	78.1 AT 05 00 CST ON APR 14 *	61.3 ON APR 14	0.001 ON JUL 21	23 800	1985
1986	11.0 B AT 06 10 CST ON MAR 30	9.17 B ON MAR 30	0.001 ON JUN 29	4 330	1986
1987	14.8 B AT 05 18 CST ON APR 2	13.2 B ON APR 2	0.001 ON MAY 24	4 630	1987
1988	0.4789 AT 03 06 CST ON APR 3	0.3068 ON APR 3	0 ON AUG 24	140	1988
				5 460	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

CYPRESS LAKE EAST INFLOW CANAL NEAR VIDORA - STATION NO. 11AC072

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1939	---	---	0.540	0.512	0.274	0.481	0.087	0.018	0.083	0.083	---	---	0.240	1939
1940	---	---	0.020	3.21	1.21	0.443	0.078	0.054	0.037	0.034	---	---	0.828	1940
1941	---	---	1.80	0.818	0.202	0.112	0.027	0.003	0.007	0.002	---	---	0.369	1941
1942	---	---	0.084	2.47	0.224	0.782	0.232	0.028	0.028	0.028	---	---	0.473	1942
1943	---	---	1.28	2.39	0.218	0.084	0.018	0.003	0.004	0.030	---	---	0.486	1943
1944	---	---	0.388	2.58	0.183	0.041	0.025	0.017	0.013	0.032	---	---	0.384	1944
1945	---	---	0.795	0.108	0.052	0.031	0.010	0.002	0.030	0.084	---	---	0.138	1945
MEAN	---	---	0.665	1.74	0.335	0.263	0.065	0.018	0.024	0.038	---	---	0.380	MEAN

LOCATION - LAT 49 30 35 N
LONG 109 32 30 W REGULATED

CYPRESS LAKE EAST INFLOW CANAL NEAR VIDORA - STATION NO. 11AC072

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1939	---	3.86 ON MAR 25	0 ON JUL 19 *	5 080	1939
1940	---	23.5 ON APR 21 *	0 ON AUG 31	13 300	1940
1941	---	6.74 ON MAR 26	0 ON JUL 18	7 800	1941
1942	---	10.7 ON APR 13	0 ON AUG 7	10 000	1942
1943	---	10.8 ON APR 3	0 ON AUG 31	10 500	1943
1944	---	11.7 ON APR 3	0.003 ON JUL 17	6 330	1944
1945	---	5.13 ON MAR 23	0 ON JUL 23	2 920	1945
				8 250	MEAN

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

CYPRESS LAKE EAST OUTFLOW CANAL - STATION NO. 11AC060

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1940	---	---	0	0	0	0	0.028	0.035	0.003	0	---	---	0.008	1940
1941	---	---	0	0	0	0	0	0	0	0	---	---	0	1941
1942	---	---	0	0	0	0	0	0	0	0	---	---	0	1942
1943	---	---	0	0	0	0.038	0.285	0.732	0.835	0.143	---	---	0.283	1943
1944	---	---	0	0	0.034	0.102	0.182	0.068	0	0	---	---	0.048	1944
1945	---	---	0	0	0.023	0.118	0.335	0.777	0.085	0	---	---	0.170	1945
1946	---	---	0	0.003	0.008	0.112	0.488	0	0	0.005	---	---	0.078	1946
1947	---	---	0	0	0.140	0.118	0.072	0.156	0.003	0.004	---	---	0.082	1947
1948	---	---	0	0	0.042	0.088	0.138	0	0.004	0.010	---	---	0.035	1948
1949	---	---	0	0.014	0.708	1.35	0.818	0.103	0.084	0.078	---	---	0.383	1949
1950	---	---	0	0	0.204	0.068	0.010	0.001	0.001	0.001	---	---	0.034	1950
1951	---	---	0	0.080	0.068	0.037	0.048	0.024	0.036	0.038	---	---	0.040	1951
1952	---	---	0	2.82	0.800	0.363	0.070	0.008	0.032	0.038	---	---	0.447	1952
1953	---	---	0	0.081	0.382	0.887	0.040	0.004	0	0.023	---	---	0.160	1953
1954	---	---	0.080	0.248	0.181	0.228	0.020	0.136	0.120	0.100	---	---	0.138	1954
1955	---	---	0.071	1.68	1.70	0.215	0.507	0.356	0.053	0.058	---	---	0.580	1955
1956	---	---	0.058	0.522	0.180	0.831	0.052	0.027	0.043	0.068	---	---	0.218	1956
1957	---	---	0.042	0.474	0.226	0.534	0.471	1.03	0.011	0.035	---	---	0.362	1957
1958	---	---	0.046	0.458	0.033	0.578	1.14	0.754	0.003	0.034	---	---	0.380	1958
1959	---	---	0.085	0.304	0.124	0.822	0.188	0.307	0.001	0.014	---	---	0.238	1959
1960	---	---	0.185	0.019	0.088	1.05	0.878	0.245	0.001	0.010	---	---	0.307	1960
1961	---	---	0.127	0.417	1.06	0.788	0.531	0.124	0.043	0.004	---	---	0.382	1961
1962	---	---	0.026	0.141	0.032	0.062	0.029	0.001	0	0.025	---	---	0.042	1962
1963	---	---	0.037	0.036	0.014	0.007	0.004	0	0	0	---	---	0.012	1963
1964	---	---	0.033	0.282	0.322	0.029	0.020	0	0	0	---	---	0.085	1964
1965	---	---	0.012	0.182	0.188	0.321	0.121	0.017	0	0	---	---	0.108	1965
1966	---	---	0.028	0.094	0.128	0.832	0.083	0.010	0.029	0.054	---	---	0.128	1966
1967	---	---	0.045	0.412	0.778	0.124	0.718	0.130	0.010	0.038	---	---	0.283	1967
1968	---	---	0.188	0.288	0.241	0.386	0.108	0.323	0.022	0.052	---	---	0.187	1968
1969	---	---	0.018	0.343	0.304	0.407	0.148	0	0	0.008	---	---	0.152	1969
1970	---	---	0.038	0.285	0.981	0.738	0.125	0	0.001	0.010	---	---	0.289	1970
1971	---	---	0.037	0.884	0.382	0.043	0.258	0.558	0.888	0.087	---	---	0.361	1971
1972	---	---	0.075	3.07	0.118	0.532	0.040	0.108	0.018	0.038	---	---	0.402	1972
1973	---	---	0.181	2.89	1.10	0.048	0.005	0	0	0.042	---	---	0.487	1973
1974	---	---	0.042	0.148	0.218	0.048	0.520	0.100	0.018	0.041	---	---	0.142	1974
1975	---	---	0.037	0.035	0.184	0.313	0.108	0.068	0.057	0.071	---	---	0.105	1975
1976	---	---	0.082	0.251	0.084	0.049	0.087	0.012	0.007	0.037	---	---	0.078	1976
1977	---	---	0.028	3.80	1.54	0.717	1.88	0.258	0.003	0.028	---	---	0.868	1977
1978	---	---	0.020	0.027	0.234	0.078	0.030	0.003	0.028	0.053	---	---	0.059	1978
1979	---	---	0.082	0.040	0.059	0.108	0.124	0.027	0.011	0.028	---	---	0.057	1979
1980	---	---	0.031	0.088	0.583	2.34	0.785	0.028	0.010	0.041	---	---	0.483	1980
1981	---	---	0.038	0.018	0.019	0.087	0.058	0.003	0	0.008	---	---	0.028	1981
1982	---	---	0.014	0.058	0.181	0.087	0.108	0.003	0.008	0.028	---	---	0.061	1982
1983	---	---	0.087	0.082	0.181	0.071	0.188	0.008	0.008	0.038	---	---	0.078	1983
1984	---	---	0.033	0.027	0.008	0.052	0.008	0	0	0.002	---	---	0.018	1984
1985	---	---	0.038	0.305	0.080	0.087	0.001	0	0.013	0.040	---	---	0.087	1985
1986	---	0.091	0.108	0.108	0.033	0.128	0.108	0.001	0.040	0.027	---	---	0.068	1986
1987	---	0.038	0.140	0.084	0.008	0.073	0.020	0.015	0.007	0.007	---	---	0.042	1987
1988	---	---	0.087	0.231	0.008	0.024	0.043	0.008	0.127	0.028	---	---	0.068	1988
MEAN	---	0.084	0.045	0.611	0.280	0.319	0.244	0.134	0.088	0.031	---	---	0.180	MEAN

LOCATION - LAT 48 29 12 N
LONG 109 21 08 W

REGULATED SINCE 1940

INTERNATIONAL GAUGING STATION

CYPRESS LAKE EAST OUTFLOW CANAL - STATION NO. 11AC060

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1940	---	0.091 ON JUL 30	0 ON MAR 1 *	178	1940
1941	---	0 ON MAR 1	0 ON MAR 1	0	1941
1942	---	0 ON MAR 1	0 ON MAR 1	0	1942
1943	---	1.01 ON SEP 22	0 ON MAR 1	5 570	1943
1944	---	0.954 ON JUL 25	0 ON MAR 1	1 030	1944
1945	---	1.34 ON AUG 4	0 ON MAR 1	3 590	1945
1946	---	1.13 ON JUL 6	0 ON MAR 1	1 670	1946
1947	---	0.850E ON MAY 18	0 ON MAR 1	1 300	1947
1948	---	0.320 ON JUL 8	0 ON MAR 1	743	1948
1949	---	1.78 ON MAY 30	0 ON MAR 1	8 330	1949
1950	---	0.785E ON MAY 12	0 ON MAR 1	728	1950
1951	---	0.425B ON APR 28	0 B ON MAR 1	857	1951
1952	---	5.72 B ON APR 19 *	0 B ON MAR 1	9 480	1952
1953	---	2.15 ON JUN 4	0 B ON MAR 1	2 980	1953
1954	---	1.13 ON AUG 8	0 ON MAY 28	2 870	1954
1955	---	4.82 ON MAY 6	0.014 ON JUN 23	12 300	1955
1956	---	4.67 ON JUN 15	0.014 ON AUG 22	4 580	1956
1957	---	5.52 ON JUN 9	0.006 ON JUL 12	7 470	1957
1958	---	4.87 ON JUN 10	0 ON MAY 24	8 080	1958
1959	---	2.89 ON JUN 28	0 ON SEP 14	5 000	1959
1960	---	2.27 ON JUN 14	0 ON APR 15	6 500	1960
1961	---	3.48 ON MAY 1	0 ON JUN 8	6 100	1961
1962	---	0.422 ON JUN 20	0 ON JUL 10	880	1962
1963	---	0.068B ON MAR 22	0 E ON JUN 17	268	1963
1964	---	1.26 ON APR 28	0 B ON MAR 19	1 810	1964
1965	---	0.885 ON JUN 5	0 ON MAY 13	2 240	1965
1966	---	2.19 ON JUN 7	0.006 ON MAY 17	2 720	1966
1967	---	3.65 ON MAY 25	0 ON AUG 8	5 980	1967
1968	---	1.49 ON JUN 11	0 B ON MAR 1	4 170	1968
1969	---	1.70 ON APR 8	0 ON JUL 8	3 230	1969
1970	---	2.40 ON JUN 12	0 B ON APR 10	5 700	1970
1971	---	3.85 ON APR 24	0 B ON APR 11	7 840	1971
1972	---	5.30 ON JUN 8	0.006 ON AUG 13	10 400	1972
1973	---	4.47 ON MAY 8	0 ON JUL 31	10 300	1973
1974	---	2.02 ON JUL 24	0 B ON APR 2	3 000	1974
1975	---	1.59 ON MAY 7	0.003 ON AUG 18	2 230	1975
1976	---	1.06 B ON MAR 18	B B ON MAR 27	1 810	1976
1977	---	5.56 ON APR 8	0.001 ON AUG 28	20 900	1977
1978	---	0.402 ON MAY 13	B B ON APR 1	1 260	1978
1979	---	0.367 ON JUL 22	0.006 ON SEP 28	1 210	1979
1980	---	2.85 ON JUN 13	0.002 ON JUN 1	10 200	1980
1981	---	0.481 ON JUL 14	0 ON AUG 18	883	1981
1982	---	0.868 ON MAY 20	0 ON AUG 8	1 280	1982
1983	---	1.11 ON JUL 11	0 B ON MAR 13	1 880	1983
1984	---	0.363 ON JUN 28	0 ON JUL 8	332	1984
1985	---	0.788B ON APR 8	B ON JUL 8	1 420	1985
1986	---	0.582 ON JUN 24	B ON AUG 13	1 480	1986
1987	---	0.618B ON MAR 26	B B ON MAR 11	884	1987
1988	---	0.718 ON APR 8	B ON JUL 28	1 440	1988
				4 000	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

CYPRESS LAKE WEST INFLOW CANAL - STATION NO. 11AB078

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1939	---	---	1.34	1.29	0.288	0.121	0.035	0.005	0.003	0.018	---	---	0.383	1939
1940	---	---	0.028	3.37	1.12	0.312	0.081	0.050	0.016	0.004	---	---	0.615	1940
1941	---	---	1.88	0.888	0.005	0.015	0.021	0.035	0.007	0.032	---	---	0.374	1941
1942	---	---	0.034	2.48	0.239	2.18	0.855	0.188	0.083	0.002	---	---	0.714	1942
1943	---	---	2.58	2.75	0.081	0.006	0.003	0.003	0.002	0	---	---	0.873	1943
1944	---	---	0.176	1.08	0.022	0.013	0.031	0.003	0.003	0.008	---	---	0.182	1944
1945	---	---	0.807	0.218	0.021	0.029	0.017	0.005	0.005	0.011	---	---	0.114	1945
1946	---	---	1.30	0.308	0.008	0.108	0.014	0.003	0.008	0.033	---	---	0.224	1946
1947	---	---	0.147	2.14	0.012	0.014	0.012	0.075	0.002	0.003	---	---	0.288	1947
1948	---	---	0.005	4.36	0.708	0.123	0.147	0.055	0.008	0.018	---	---	0.868	1948
1949	---	---	0.088	0.421	0.047	0.040	0.020	0.005	0	0.005	---	---	0.073	1949
1950	---	---	0	2.94	0.183	0.030	0.025	0.072	0.024	0.028	---	---	0.406	1950
1951	---	---	0.008	3.41	1.87	0.282	0.238	0.085	0.105	0.084	---	---	0.765	1951
1952	---	---	0	2.32	1.01	0.452	0.323	0.021	0.008	0.003	---	---	0.512	1952
1953	---	---	0.038	1.12	1.48	0.722	0.027	0.006	0	0.002	---	---	0.418	1953
1954	---	---	0	1.37	0.743	0.017	0.010	0.003	0.884	0.001	---	---	0.267	1954
1955	---	---	0.018	0.188	0.008	0.008	0.008	0.008	0.008	0.003	---	---	0.027	1955
1956	---	---	0.005	1.85	0.209	0.008	0.008	0.008	0.008	0.288	---	---	0.267	1956
1957	---	---	0	3.58	0.488	0.129	0.117	0.088	0	0	---	---	0.540	1957
1958	---	---	0.128	4.27	0.011	0.001	0.005	0	0.001	0	---	---	0.541	1958
1959	---	---	0.413	2.88	0.843	0.388	0.257	0	0	0	---	---	0.523	1959
1960	---	---	2.87	1.82	1.43	0.882	0.183	0	0	0	---	---	0.835	1960
1961	---	---	0.287	0	0	0	0	0	0	0	---	---	0.032	1961
1962	---	---	0.178	0.218	0	0.018	0.002	0	0	0	---	---	0.051	1962
1963	---	---	0.388	0.222	0.010	0.003	0.488	0.003	0	0	---	---	0.122	1963
1964	---	---	0	0.083	0.880	0.003	0.002	0	0	0	---	---	0.092	1964
1965	---	---	0	5.78	1.04	1.77	1.71	0.002	0.828	0.223	---	---	1.50	1965
1966	---	---	2.85	2.58	1.38	0.288	0.248	0.287	0.304	0.003	---	---	0.984	1966
1967	---	---	0	3.08	2.15	0.382	0.480	0.224	0	0	---	---	0.782	1967
1968	---	---	1.20	0.226	0.108	0.838	0.248	0.004	0	0	---	---	0.280	1968
1969	---	---	0	4.80	0.148	0.018	0.182	0.040	0	0	---	---	0.808	1969
1970	---	---	0.088	4.03	0.853	0.518	0.248	0	0.008	0	---	---	0.717	1970
1971	---	---	0	2.57	0.008	0.858	0.004	0	0	0	---	---	0.436	1971
1972	---	---	2.28	0.008	0.041	0.788	0.188	0.088	0.025	0	---	---	0.428	1972
1973	---	---	0.183	0.148	0.174	0.374	0.012	0	0	0	---	---	0.108	1973
1974	---	---	0.024	1.34	1.80	0.237	0.088	0.002	0	0	---	---	0.388	1974
1975	---	---	0.081	1.08	5.75	0.888	0.088	0.217	0.288	0.001	---	---	1.08	1975
1976	---	0.070	1.67	1.85	0.002	0.503	0.088	0	0	0	---	---	0.488	1976
1977	---	---	0.283	0.040	0.050	0.084	0	0	0	0.027	---	---	0.051	1977
1978	---	---	0.182	1.90	0.482	0.001	0.138	0	0.288	0.214	---	---	0.398	1978
1979	---	---	1.88	3.80	1.18	0.018	0.287	0.123	0.008	0	---	---	0.807	1979
1980	---	---	0.108	2.434	0.002	0.145	M	0	0	0	---	---	0.085	1980
1981	---	---	0.018	0	0.242	0.458	M	0	0	0	---	---	0.088	1981
1982	---	---	0	1.27	0.330	1.82	M.153	0	0	0	---	---	0.415	1982
1983	---	---	0.482	0.244	1.84	0.025	M.473	0	0	0	---	---	0.388	1983
1984	---	---	0.042	0.014	M	0	M	0	0	0	---	---	0.007	1984
1985	---	---	0.068	1.84	M	0	M	0	0.081	0.128	---	---	0.271	1985
1986	---	1.10	2.58	0.387	1.74	0.388	M.208	0.008	1.71	1.01	---	---	0.884	1986
1987	---	0.532	2.67	2.32	0.018	0.042	M.107	0.190	0.111	0	---	---	0.672	1987
1988	---	---	M.084	0.131	M	0	M	0	0	0	---	---	0.024	1988
MEAN	---	0.884	0.870	1.72	0.804	0.312	M.152	0.038	0.078	0.042	---	---	0.438	MEAN

LOCATION - LAT 49 35 18 N
LONG 108 37 08 W

REGULATED

INTERNATIONAL GAUGING STATION

CYPRESS LAKE WEST INFLOW CANAL - STATION NO. 11AB078

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1939	---	5.58 ON MAR 22	0 E ON MAR 1 *	8 110	1939
1940	---	19.5 ON APR 23	0 B ON MAR 1	13 000	1940
1941	---	5.58 B ON MAR 21	0 B ON MAR 1	7 930	1941
1942	---	19.1 ON JUN 27	0 ON MAR 19	15 100	1942
1943	---	16.6 B ON MAR 31	0 ON MAR 1	14 300	1943
1944	---	3.91 B ON APR 2	0 ON JUL 7	3 440	1944
1945	---	2.89 B ON MAR 29	0.003E ON AUG 17	2 420	1945
1946	---	10.7 B ON MAR 29	0 ON AUG 20	4 740	1946
1947	---	8.83 B ON APR 14	0 B ON MAR 1	6 350	1947
1948	---	18.7 ON APR 25	0 B ON MAR 1	14 100	1948
1949	---	1.70 B ON APR 9	0 ON MAR 1	1 550	1949
1950	---	12.0 B ON APR 22	0 B ON MAR 1	8 580	1950
1951	---	14.2 B ON APR 26	0 B ON MAR 1	16 200	1951
1952	---	8.23 B ON APR 14	0 B ON MAR 1	10 800	1952
1953	---	6.91 ON MAY 9	0 B ON MAR 1	6 870	1953
1954	---	4.05 B ON APR 15	0 B ON MAR 1	5 640	1954
1955	---	1.33 B ON APR 12	0 B ON MAR 1	577	1955
1956	---	4.22 B ON APR 16	0 B ON MAR 1	5 640	1956
1957	---	10.3 ON APR 30	0 B ON MAR 1	11 400	1957
1958	---	11.0 B ON APR 3	0 B ON MAR 1	11 500	1958
1959	---	7.42 ON APR 15	0 B ON MAR 1	11 100	1959
1960	---	11.2 ON MAR 30	0 B ON MAR 1	17 700	1960
1961	---	0.803 ON MAR 19	0 B ON MAR 1	587	1961
1962	---	1.10 B ON MAR 30	0 B ON MAR 1	1 080	1962
1963	---	3.54 ON JUL 4	0 B ON MAR 1	2 580	1963
1964	---	5.15 ON MAY 5	0 B ON MAR 1	1 950	1964
1965	---	25.0 ON APR 27 *	0 B ON MAR 1	31 700	1965
1966	---	19.8 ON MAR 31	0 B ON MAR 1	21 000	1966
1967	---	14.8 ON MAY 8	0 B ON MAR 1	16 600	1967
1968	---	2.13 B ON MAR 27	0 ON AUG 25	6 150	1968
1969	---	14.8 B ON APR 8	0 B ON MAR 1	12 900	1969
1970	---	17.2 ON APR 11	0 B ON MAR 1	18 200	1970
1971	---	8.20 ON APR 24	0 B ON MAR 1	8 170	1971
1972	---	17.0 B ON MAR 19	0 B ON MAR 1	8 070	1972
1973	---	2.77 ON JUN 22	0 B ON MAR 1	2 260	1973
1974	---	6.80 ON MAY 25	0 B ON MAR 1	8 420	1974
1975	---	17.5 ON MAY 7	0 B ON MAR 1	22 400	1975
1976	---	8.84 ON APR 7	0 ON MAY 12	10 800	1976
1977	---	0.8418 ON MAR 12	0 B ON MAR 1	1 260	1977
1978	---	8.00 ON APR 28	0 B ON MAR 1	8 360	1978
1979	---	17.0 B ON APR 19	0 B ON MAR 1	19 200	1979
1980	---	3.58 ON APR 15	0 B ON MAR 1	1 780	1980
1981	---	4.29 ON JUN 16	0 ON APR 2	1 880	1981
1982	---	6.32 ON JUN 6	0 B ON MAR 1	3 770	1982
1983	---	4.62 ON MAY 16	0 B ON MAR 1	7 580	1983
1984	---	0.3138 ON MAR 28	0 B ON MAR 1	149	1984
1985	---	16.6 ON APR 16	0 B ON MAR 1	8 730	1985
1986	---	13.2 A ON SEP 25	0 ON APR 8	21 100	1986
1987	---	6.73 ON APR 6	0 ON MAY 10	14 200	1987
1988	---	1.86 ON APR 6	0 B ON MAR 1	511	1988
				9 220	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

CYPRESS LAKE WEST INFLOW CANAL DRAIN - STATION NO. 11AB085

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1955	---	---	0	3.47	1.36	0.129	0.011	0.009	0.006	0.001	---	---	0.503	1955
1956	---	---	0.026	0.026	0.047	0.001	0	0	0	0.283	---	---	0.046	1956
1957	---	---	0	0.038	0.177	0.136	0.116	0.092	0.002	0.011	---	---	0.071	1957
1958	---	---	0.051	0.051	0.010	0.001	0.003	0	0	0	---	---	0.014	1958
1959	---	---	0.031	0.047	0.480	0.384	0.286	0	0	0	---	---	0.151	1959
1960	---	---	0.042	0.010	0.267	0.573	0.180	0	0	0	---	---	0.130	1960
1961	---	---	0.023	0.001	0	0	0	0	0	0	---	---	0.003	1961
1962	---	---	0.006	0.112	0	0.013	0	0	0	0	---	---	0.018	1962
1963	---	---	0.030	0.004	0.001	0.001	0.005	0.001	0.001	0	---	---	0.005	1963
1964	---	---	0	0.037	0	0	0	0	0	0	---	---	0.005	1964
1965	---	---	0	0.011	0.043	0.101	0.003	0.001	0.001	0.006	---	---	0.021	1965
1966	---	---	0.012	0.006	0.178	0.074	0.002	0.206	0.283	0.006	---	---	0.085	1966
1967	---	---	0	0.060	1.83	0.164	0.486	0.038	0.006	0.001	---	---	0.336	1967
1968	---	---	0.007	0.002	0.272	0.001	0.018	0.003	0.001	0	---	---	0.038	1968
1969	---	---	0	0.001	0.389	0.131	0.024	0.041	0	0	---	---	0.078	1969
1970	---	---	0.053	0.030	0.324	0.382	0.162	0.004	0.002	0	---	---	0.122	1970
1971	---	---	0	0.003	0.818	0	0.227	0.001	0	0	---	---	0.107	1971
1972	---	---	0	0	0.001	0.012	0.120	0.084	0.025	0	---	---	0.032	1972
1973	---	---	0.163	0.013	0.004	0.001	0	0	0	0	---	---	0.023	1973
1974	---	---	0.001	0.010	0.004	0.001	0	0.001	0	0	---	---	0.002	1974
1975	---	---	0.061	0.023	0.003	0	0.004	0.021	0.005	0.001	---	---	0.015	1975
1976	---	---	0.185	0.002	0	0	0	0	0	0	---	---	0.024	1976
1977	---	---	0.167	0.006	0.001	0.003	0	0	0	0.001	---	---	0.022	1977
1978	---	---	0.008	0.018	0.001	0.001	0.001	0	0.001	0.001	---	---	0.004	1978
1979	---	---	0.002	0.001	0.001	0.001	0.001	0.002	0.001	0	---	---	0.001	1979
1980	---	---	0.106	0.044	0	0	0	0	0	0	---	---	0.018	1980
1981	---	---	0.015	0	0.001	0.002	0.001	0	0	0	---	---	0.002	1981
1982	---	---	0	0.011	0.001	0.001	0.002	0	0	0	---	---	0.002	1982
1983	---	---	0.015	0.001	0.024	0.001	0.002	0	0	0	---	---	0.006	1983
1984	---	---	0.001	0.001	0	0	0	0	0	0	---	---	0	1984
1985	---	---	0.011	0.001	0	0	0	0	0	0.002	---	---	0.002	1985
1986	---	---	0	0	0.477	0.027	0.004	0.001	0.003	0.001	---	---	0.065	1986
1987	---	0.285	0.188	0.002	0.001	0.001	0.002	0.002	0.002	0	---	---	0.023	1987
1988	---	---	0.034	0.001	0	0	0	0	0	0	---	---	0.004	1988
MEAN	---	0.285	0.038	0.118	0.192	0.082	0.049	0.015	0.010	0.009	---	---	0.061	MEAN

LOCATION - LAT 49 38 25 N
LONG 100 38 38 W

REGULATED

INTERNATIONAL GAUGING STATION

CYPRESS LAKE WEST INFLOW CANAL DRAIN - STATION NO. 11AB085

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1955	---	12.7 E ON APR 30 *	0 ON MAR 1 *	13 800	1955
1956	---	0.949 ON OCT 18	0 ON JUN 4	974	1956
1957	---	0.891 ON MAY 8	0E ON MAR 1	1 510	1957
1958	---	1.13 E ON MAR 31	0E ON MAR 1	107	1958
1959	---	0.869 ON JUL 0	0E ON MAR 1	3 200	1959
1960	---	1.36 ON MAY 31	0 ON MAR 1	2 760	1960
1961	---	0.1868 ON MAR 14	0E ON MAR 1	84.7	1961
1962	---	0.568 ON APR 30	0E ON MAR 1	347	1962
1963	---	0.2880 ON MAR 25	0E ON MAR 1	116	1963
1964	---	0.232 ON APR 4	0E ON MAR 1	98.6	1964
1965	---	0.652 ON JUN 23	0E ON MAR 1	435	1965
1966	---	0.418 ON MAY 25	0E ON MAR 1	2 010	1966
1967	---	5.27 ON MAY 17	0E ON MAR 1	7 150	1967
1968	---	0.880 ON MAY 7	0 ON AUG 8	618	1968
1969	---	1.45 ON MAY 21	0E ON MAR 1	1 580	1969
1970	---	2.45 ON MAY 8	0E ON MAR 1	2 580	1970
1971	---	1.83 ON MAY 17	0E ON MAR 1	2 270	1971
1972	---	0.364 ON AUG 14	0E ON MAR 1	671	1972
1973	---	0.7538 ON MAR 16	0E ON MAR 1	461	1973
1974	---	0.059 ON MAY 7	0E ON MAR 1	46.0	1974
1975	---	0.1958 ON MAR 19	0E ON MAR 1	315	1975
1976	---	0.3578 ON MAR 19	0 ON APR 11	500	1976
1977	---	0.3688 ON MAR 5	0E ON MAR 1	473	1977
1978	---	0.0888 ON APR 4	0E ON MAR 1	63.1	1978
1979	---	0.0308 ON MAR 19	0E ON MAR 1	22.8	1979
1980	---	0.6438 ON MAR 28	0E ON MAR 1	404	1980
1981	---	0.0578 ON MAR 12	0A ON MAR 22	60.0	1981
1982	---	0.0458 ON APR 14	0E ON MAR 1	38.3	1982
1983	---	0.372 ON MAY 21	0E ON MAR 20	123	1983
1984	---	0.0048 ON MAR 28	0E ON MAR 1	4.32	1984
1985	---	0.0848 ON MAR 22	0E ON MAR 1	37.4	1985
1986	---	1.81 ON MAY 22	0E ON MAR 5	1 370	1986
1987	---	0.8628 ON MAR 5	0 ON MAY 10	478	1987
1988	---	0.1308 ON MAR 15	0E ON MAR 1	83.4	1988
				1 300	MEAN

A - MANUAL GAUGE
(SEE REFERENCE INDEX)

B - ICE CONDITIONS
E - ESTIMATED

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

CYPRESS LAKE WEST OUTFLOW CANAL - STATION NO. 11AB077

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1940	---	---	0	0	0	0	0.075	0.010	0	0	---	---	0.011	1940
1941	---	---	0	0.081	0	0	0	0.050	0.088	0	---	---	0.028	1941
1942	---	---	0	0.214	0.001	0	0.026	0.058	0	0	---	---	0.038	1942
1943	---	---	0	0.042	0	0	0.228	0.438	0.188	0.184	---	---	0.137	1943
1944	---	---	0.012	0.036	0.084	0.078	0.071	0.355	0.182	0.018	---	---	0.104	1944
1945	---	---	0.057	0.004	0.088	0.303	0.295	0.228	0	0.032	---	---	0.127	1945
1946	---	---	0.147	0.004	0.085	0.518	0.398	0.331	0	0	---	---	0.185	1946
1947	---	---	0	0.088	0.081	0.330	0.448	0.023	0	0	---	---	0.121	1947
1948	---	---	0	0.111	0.141	0.331	1.21	0.144	0.158	0.083	---	---	0.272	1948
1949	---	---	0	0.158	1.22	1.06	0.594	0.248	0.118	0.143	---	---	0.456	1949
1950	---	---	0	0.033	0.035	0.308	0.688	0.243	0	0.058	---	---	0.188	1950
1951	---	---	0	0	0.485	0.026	0.548	0.663	0	0	---	---	0.218	1951
1952	---	---	0	0.404	0	0.143	0.441	0.325	0.002	0	---	---	0.184	1952
1953	---	---	0	0.033	0.121	0.032	0.800	0.538	0.110	0.007	---	---	0.207	1953
1954	---	---	0	0.022	0.154	0.258	0.740	0.308	0.006	0	---	---	0.187	1954
1955	---	---	0	0.072	0.434	0.142	0.018	0.398	0.143	0.232	---	---	0.181	1955
1956	---	---	0	0.008	0.300	1.40	0.720	0.582	0.278	0.041	---	---	0.415	1956
1957	---	---	0	0.294	0.588	0.494	1.36	0.548	0.209	0	---	---	0.431	1957
1958	---	---	0.003	0.438	0.855	1.05	1.27	0.655	0.358	0.001	---	---	0.578	1958
1959	---	---	0	0.047	1.10	1.25	0.582	0.628	0.228	0	---	---	0.480	1959
1960	---	---	0	0.835	0.085	1.48	1.57	0.511	0.014	0.014	---	---	0.593	1960
1961	---	---	0.003	0.208	1.30	0.972	1.48	0.055	0.021	0.108	---	---	0.520	1961
1962	---	---	0.004	0.043	1.31	0.511	0.183	0	0.008	0.041	---	---	0.260	1962
1963	---	---	0.010	0.408	1.35	0.341	0.059	0.002	0	0	---	---	0.272	1963
1964	---	---	0	0.023	0.412	1.05	0.001	0	0	0	---	---	0.185	1964
1965	---	---	0	0.057	1.80	0.828	0.004	0.887	0.002	0	---	---	0.437	1965
1966	---	---	0	0.578	1.08	0.395	0.830	0.482	0.005	0.001	---	---	0.422	1966
1967	---	---	0	0.188	0.548	0.887	1.47	1.07	0.001	0	---	---	0.521	1967
1968	---	---	0.085	0.095	1.51	0.072	2.21	0.108	0.001	0	---	---	0.515	1968
1969	---	---	0	0.302	1.05	0.358	1.70	0.798	0	0.002	---	---	0.520	1969
1970	---	---	0	0.387	1.49	1.14	1.48	0.051	0.001	0.002	---	---	0.598	1970
1971	---	---	0	0.511	1.23	0.733	1.88	0.573	0.002	0.003	---	---	0.595	1971
1972	---	---	0.159	0.006	2.13	0.092	1.70	0.358	0	0.001	---	---	0.581	1972
1973	---	---	0.011	0.018	2.05	0.019	2.08	0.822	0	0	---	---	0.806	1973
1974	---	---	0	0.278	0.808	2.53	1.88	0.093	0	0	---	---	0.642	1974
1975	---	---	0	0.114	0.321	2.53	1.32	0.318	0.003	0.002	---	---	0.571	1975
1976	---	---	0.080	0.181	2.08	0.118	1.58	0.184	0.001	0.003	---	---	0.528	1976
1977	---	---	0.003	0.002	1.87	0.585	1.48	0.003	0.003	0.001	---	---	0.581	1977
1978	---	---	0	0.002	0.281	2.08	0.043	0.002	0.002	0.002	---	---	0.298	1978
1979	---	---	0.007	0.776	0.518	1.41	1.82	0.004	0.001	0.002	---	---	0.540	1979
1980	---	---	0.002	0.008	2.49	0.018	1.58	0.024	0	0	---	---	0.523	1980
1981	---	---	0.002	0.383	2.14	0.045	0.148	0.003	0.011	0.022	---	---	0.347	1981
1982	---	---	0	0.003	0.013	1.48	0.085	0	0	0	---	---	0.183	1982
1983	---	---	0.001	0.011	1.82	0.762	0.078	0	0	0	---	---	0.347	1983
1984	---	---	0.001	0.002	1.34	0.027	0.022	0.001	0	0	---	---	0.178	1984
1985	---	---	0.001	0.048	0.803	1.85	0.270	0.001	0	0	---	---	0.306	1985
1986	---	0	0.140	0.016	1.18	1.83	0.032	0	0.083	0.003	---	---	0.381	1986
1987	---	0	0.078	0.287	1.75	0.243	0.088	0.001	0.001	0.001	---	---	0.303	1987
1988	---	---	0.001	0.006	2.26	0.027	0.041	0	0.137	0.030	---	---	0.315	1988
MEAN	---	0	0.017	0.180	0.871	0.842	0.784	0.281	0.048	0.021	---	---	0.348	MEAN

LOCATION - LAT 49 26 14 N
LONG 109 35 14 W

REGULATED

INTERNATIONAL GAUGING STATION

CYPRESS LAKE WEST OUTFLOW CANAL - STATION NO. 11AB077

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1940	---	0.102 ON JUL 6	0 ON MAR 1 *	227	1940
1941	---	0.450E ON AUG 28	0 ON MAR 1	581	1941
1942	---	1.69 ON APR 23	0 ON MAR 1	800	1942
1943	---	0.852 ON AUG 16	0 ON MAR 1	2 910	1943
1944	---	0.538 ON JUL 26	0B ON MAR 1	2 210	1944
1945	---	0.838 ON AUG 9	0 ON MAR 1	2 700	1945
1946	---	1.12 ON MAR 27	0 ON MAR 1	3 920	1946
1947	---	0.804 ON JUL 24	0 ON MAR 1	2 580	1947
1948	---	1.50 ON JUL 6	0 ON MAR 1	5 770	1948
1949	---	1.87 ON MAY 23	0 ON MAR 1	8 940	1949
1950	---	1.05 ON JUL 25	0 ON MAR 1	3 580	1950
1951	---	8.81 ON MAY 4 *	0B ON MAR 1	4 610	1951
1952	---	1.42 B ON APR 18	0B ON MAR 1	3 480	1952
1953	---	1.67 ON JUL 25	0B ON MAR 1	4 380	1953
1954	---	1.81 ON JUL 23	0B ON MAR 1	3 950	1954
1955	---	1.83 A ON MAY 3	0B ON MAR 1	3 830	1955
1956	---	2.12 ON JUN 14	0B ON MAR 1	8 780	1956
1957	---	2.38 ON JUL 19	0B ON MAR 1	9 120	1957
1958	---	2.66 ON APR 22	0B ON MAR 1	12 200	1958
1959	---	1.90 ON MAY 26	0B ON MAR 1	10 200	1959
1960	---	2.27 ON JUL 26	0 ON MAR 1	11 800	1960
1961	---	2.21 ON JUL 18	0B ON MAR 1	11 000	1961
1962	---	2.77 ON MAY 18	0B ON MAR 1	8 500	1962
1963	---	2.23 ON MAY 10	0B ON MAR 1	5 730	1963
1964	---	1.87 ON JUN 18	0 ON MAR 1	3 900	1964
1965	---	3.31 A ON MAY 4	0B ON MAR 1	9 270	1965
1966	---	3.14 ON JUL 28	0 ON MAR 1	8 930	1966
1967	---	2.97 ON JUL 22	0B ON MAR 1	11 000	1967
1968	---	4.18 ON JUL 18	0B ON MAR 1	10 900	1968
1969	---	4.82 ON JUL 23	0B ON MAR 1	11 000	1969
1970	---	4.47 ON JUL 20	0B ON MAR 1	12 000	1970
1971	---	4.05 ON JUL 22	0B ON MAR 1	12 800	1971
1972	---	4.98 ON MAY 12	0B ON MAR 1	11 800	1972
1973	---	3.84 ON MAY 12	0 ON JUN 12	12 800	1973
1974	---	5.30 ON JUN 12	0B ON MAR 1	13 600	1974
1975	---	5.04 ON JUN 11	0B ON MAR 1	12 100	1975
1976	---	4.84 ON MAY 18	0B ON MAR 1	11 200	1976
1977	---	4.08 ON MAY 17	0B ON MAR 1	11 900	1977
1978	---	4.08 ON MAY 31	0B ON MAR 1	8 310	1978
1979	---	4.71 ON JUL 20	0B ON MAR 1	11 400	1979
1980	---	5.09 ON MAY 18	0B ON MAR 1	11 100	1980
1981	---	2.81 ON APR 27	0B ON MAR 1	7 380	1981
1982	---	2.84 ON JUN 14	0B ON MAR 1	4 090	1982
1983	---	3.51 ON MAY 20	0B ON MAR 11	7 350	1983
1984	---	2.13 ON MAY 2	0B ON MAR 1	3 730	1984
1985	---	3.17 ON JUN 23	0B ON MAR 1	8 490	1985
1986	---	3.51 ON MAY 26	0B ON MAR 1	8 080	1986
1987	---	8.42 ON MAY 19	0B ON MAR 1	8 420	1987
1988	---	4.76 ON MAY 12	0B ON MAR 1	8 870	1988
				7 380	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

DAFOE BROOK NEAR DAFOE - STATION NO. 05MA016

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1968	---	---	0.245	0.157	0	0	0	0	0	0	---	---	0.050	1968
1967	---	---	0	0.088	0.051	0	0	0	0	---	---	---	---	1967
1968	---	---	0.111	0.003	0	0	0	0	0	0	---	---	0.014	1968
1969	---	---	0	0.168	0.006	0	0	0	0	0	---	---	0.024	1969
1970	---	---	0.006	0.385	0.009	0	0	0	0	0	---	---	0.049	1970
1971	---	---	0	0.255	0	0	0	0	0	0	---	---	0.031	1971
1972	---	---	0.071	0.149	0.004	0	0	0	0	0	---	---	0.026	1972
1973	---	---	0	0	0	0	0	0	0	0	---	---	0	1973
1974	---	---	---	---	---	---	---	---	---	---	---	---	---	1974
MEAN	---	---	0.054	0.208	0.009	0	0	0	0	0	---	---	0.028	MEAN

LOCATION - LAT 51 45 03 N, LONG 104 30 47 W
DRAINAGE AREA, 106 km^2 REGULATED
DATA CONTRIBUTED BY - SASKATCHEWAN RESEARCH COUNCIL

DAFOE BROOK NEAR DAFOE - STATION NO. 05MA016

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1966	---	3.45 ON MAR 30	0E ON MAR 1 *	1 060	1966
1967	---	5.30 ON APR 10 *	0E ON MAR 1	---	1967
1968	---	0.820 ON MAR 7	0E ON MAR 1	305	1968
1969	---	1.07 ON APR 10	0E ON MAR 1	507	1969
1970	---	2.50 ON APR 6	0B ON MAR 1	1 040	1970
1971	---	2.44 ON APR 10	0E ON MAR 1	660	1971
1972	---	0.669 ON MAR 22	0E ON MAR 1	587	1972
1973	---	0 ON MAR 1	0 ON MAR 1	0	1973
1974	---	2.81 ON APR 19	---	---	1974
				594	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

DAVIS CREEK AT DRURY'S RANCH - STATION NO. 11AC004

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1909	---	---	---	---	---	---	0.546	0.058	0.038	0.017	---	---	---	1909
1911	---	---	---	---	0.385	0.127	---	---	0.146	---	---	---	---	1911
1912	---	---	---	---	0.785	0.208	0.047	0.040	0.021	0.084	---	---	---	1912
1913	---	---	---	2.19	0.226	0.078	0.082	0.044	0.008	0.002	---	---	---	1913
1914	---	---	---	1.23	0.205	---	0.052	---	---	---	---	---	---	1914
1915	---	---	---	1.84	0.192	0.478	0.409	0.071	0.038	0.078	---	---	---	1915
1916	---	---	2.84	0.738	0.849	1.38	---	0.380	0.137	0.380	---	---	---	1916
1917	---	---	---	---	---	0.232	0.027	0.193	0.222	0	---	---	---	1917
1918	---	---	---	2.20	0.280	0.079	0.033	0.010	0.002	0.001	---	---	---	1918
1919	---	---	---	0.838	0.156	0.043	0.030	0.003	0	0	---	---	---	1919
1920	---	---	0.009	2.83	2.25	0.058	0.041	0.012	0.002	0.001	---	---	0.647	1920
1921	---	---	0.181	1.55	0.290	0.082	0.028	0.007	0.002	0.001	---	---	0.262	1921
1922	---	---	0.035	3.42	1.48	0.095	0.063	0.018	0.008	0.001	---	---	0.633	1922
1923	---	---	0.008	1.18	0.219	0.209	0.078	0.032	0.002	0.005	---	---	0.213	1923
1924	---	---	0.004	0.820	0.189	0.305	0.100	0.018	0.003	0	---	---	0.176	1924
1925	---	---	0.017	3.24	0.185	0.210	0.042	0.008	0.001	0	---	---	0.455	1925
1926	---	---	1.80	0.786	0.084	0.042	0.011	0.002	0	0	---	---	0.341	1926
1927	---	---	0.022	3.84	2.03	0.832	0.127	0.037	0.008	0.014	---	---	0.783	1927
1928	---	---	1.01	0.725	0.211	0.219	0.140	0.038	0.004	0.010	---	---	0.284	1928
MEAN	---	---	0.593	1.79	0.582	0.261	0.109	0.058	0.035	0.033	---	---	0.424	MEAN

LOCATION - LAT 49 30 25 N DRAINAGE AREA, 118 km²
LONG 109 20 00 W NATURAL FLOW

DAVIS CREEK AT DRURY'S RANCH - STATION NO. 11AC004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1909	---	---	---	---	1909
1911	---	---	---	---	1911
1912	---	15.0 ON APR 10	---	---	1912
1913	---	7.33 ON APR 8	---	---	1913
1914	---	4.388 ON APR 8	0 ON SEP 21 *	---	1914
1915	---	10.9 ON APR 3	---	---	1915
1916	---	11.1 ON MAR 22	---	---	1916
1917	---	---	0 ON JUL 12	---	1917
1918	---	8.52 ON APR 10	0 ON OCT 12	---	1918
1919	4.87 AT 03:00 MST ON APR 19	2.75 ON APR 19	0 ON AUG 23	---	1919
1920	13.5 AT 22:00 MST ON APR 19	11.2 ON APR 28	0 E ON OCT 12	13 700	1920
1921	13.0 AT 23:00 MST ON APR 13	8.27 ON APR 14	0 E ON SEP 20	5 580	1921
1922	21.1 AT 10:00 MST ON APR 23	17.0 ON APR 22	0.001 ON SEP 17	13 400	1922
1923	6.178 AT 18:00 MST ON APR 14	4.59 ON APR 17	0.001 ON SEP 16	4 520	1923
1924	21.1 AT 21:00 MST ON APR 8	7.87 ON APR 7	0 ON SEP 24	3 890	1924
1925	13.8 AT 22:00 MST ON APR 4	11.2 ON APR 5	0 ON SEP 20	9 630	1925
1926	12.0 AT 13:40 MST ON MAR 20	11.1 ON MAR 20	0 ON AUG 28	7 210	1926
1927	27.7 AT 22:00 MST ON APR 25 *	21.6 ON APR 25 *	0.008 ON SEP 13	16 800	1927
1928	12.6 B AT 20:00 MST ON MAR 21	8.218 ON MAR 21	0.003 ON SEP 7	8 230	1928
				8 970	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

DEAD RIVER NEAR KINISTINO - STATION NO. 05KA004

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1919	---	---	---	0.131	0.006	0.080	0.068	0	0	---	---	---	---	1919
MEAN	---	---	---	0.131	0.006	0.080	0.068	0	0	---	---	---	---	MEAN

LOCATION - LAT 52 49 00 N DRAINAGE AREA, 321 km²
LONG 105 05 00 W NATURAL FLOW

DEAD RIVER NEAR KINISTINO - STATION NO. 05KA004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1919	---	1.02E ON JUN 28 *	0 ON MAR 13 *	---	1919
				---	MEAN

E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

DENNIEL CREEK EAST TRIBUTARY NEAR VAL MARIE - STATION NO. 11AC073

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1988	---	---	0	0	0	0	0	0	0	0	---	---	0	1988
MEAN	---	---	0	0	0	0	0	0	0	0	---	---	0	MEAN

LOCATION - LAT 49 15 43 N DRAINAGE AREA, 118 km²
LONG 107 40 55 W NATURAL FLOW

DENNIEL CREEK EAST TRIBUTARY NEAR VAL MARIE - STATION NO. 11AC073

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1986	---	0 ON MAR 1 *	0 ON MAR 1 *	0	1986
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		0	MEAN

DENNIEL CREEK NEAR VAL MARIE - STATION NO. 11AC025

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1914	---	---	---	---	---	---	0.001	0	0.000	0.000	---	---	---	1914
1915	---	---	---	0.774	0.014	0.017	0.010	0.005	0.007	0.000	---	---	---	1915
1916	---	---	---	3.03	0.308	0.328	1.24	0.054	0.018	0.010	---	---	---	1916
1917	---	---	---	3.82	0.734	0.055	0.006	0.001	0.012	0.012	---	---	---	1917
1918	---	---	---	0.141	0.020	0.010	0.003	0.003	0.003	0.006	---	---	---	1918
1919	---	---	0.014	0.897	0.004	0.001	0.002	0.001	0.002	0.003	---	---	0.113	1919
1920	---	---	0.943	0.333	0.019	0.003	0.002	0	0.001	0.002	---	---	0.184	1920
1921	---	---	0.411	0.014	0.007	0.004	0.017	0	0.001	0.003	---	---	0.058	1921
1922	---	---	0.004	1.88	0.130	0.000	0.020	0.003	0.001	0.001	---	---	0.284	1922
1923	---	---	0.040	0.809	0.015	1.[illegible]	0.775	0.012	0.005	0.005	---	---	0.518	1923
1924	---	---	0.025	0.826	0.041	0.[illegible]	0.001	0.002	0.003	0.011	---	---	0.126	1924
1925	---	---	3.81	1.21	0.026	0.104	0.018	0.005	0.013	0.018	---	---	0.854	1925
1926	---	---	2.28	0.020	0.008	0.005	0.001	0	0.001	0.001	---	---	0.293	1926
1927	---	---	0.398	3.46	0.847	0.380	0.027	0.011	0.024	0.041	---	---	0.852	1927
1928	---	---	3.08	0.530	0.030	0.134	0.022	0.009	0.009	0.015	---	---	0.482	1928
1929	---	---	0.080	0.072	0.009	0.005	0.001	0	0.001	0.004	---	---	0.021	1929
1930	---	0.818	2.07	1.28	0.017	0.004	0.003	0.008	0.003	0.009	---	---	0.425	1930
1931	---	---	0.022	0.015	---	---	---	---	---	---	---	---	---	1931
1935	---	---	---	---	---	---	---	---	---	0.008	---	---	---	1935
1936	---	---	0	0.886	0.023	0.010	---	---	---	---	---	---	---	1936
1937	---	---	0.003	0.202	0.002	0	0	0	0	---	---	---	0.026	1937
1983	---	---	---	0.045	0.009	0.172	0.024	0	0	0.005	---	---	---	1983
1984	---	---	---	0.015	0.004	0.002	0	0	0	0	---	---	---	1984
1985	---	---	---	3.30	0.848	0.138	0.053	0.051	0.027	0.013	---	---	---	1985
1986	---	---	---	---	---	0.008	0.004	0.001	0	0.003	---	---	---	1986
1987	---	---	---	3.55	1.93	0.033	0.004	0	0.002	0.010	---	---	---	1987
1988	---	---	---	0.011	0.005	0.003	0	0	0.001	0.003	---	---	---	1988
1989	---	---	---	3.44	0.441	0.005	0.005	0	0	0.001	---	---	---	1989
1970	---	---	---	4.41	1.10	0.140	0.004	0.001	0	0.005	---	---	---	1970
1971	---	---	---	---	0.088	0.007	0	0	0	0	---	---	---	1971
1972	---	---	0.401	0.025	0.005	0.003	0	0	0	0	---	---	0.055	1972
1973	---	---	0.403	0.009	0.003	0.033	0	0	0	0	---	---	0.055	1973
1974	---	---	1.80	2.87	1.11	0.039	0	0.002	0.002	0.002	---	---	0.701	1974
1975	---	---	0.001	1.02	0.881	0.007	0	0	0.001	0.003	---	---	0.214	1975
1976	---	---	3.89	0.470	0.008	0.007	0.003	0	0	0.001	---	---	0.585	1976
1977	---	---	0.006	0.047	0.004	0	0	0	0	0	---	---	0.007	1977
1978	---	---	1.86	0.878	0.021	0.028	0.028	0.003	0	0.001	---	---	0.385	1978
1979	---	---	0.077	2.44	0.188	0.011	0.189	0.001	0	0.003	---	---	0.388	1979
1980	---	---	1.18	0.729	0.002	0.003	0	0	0	0	---	---	0.239	1980
1981	---	0.187	0.015	0.004	0.002	0.004	0	0	0	0	---	---	0.003	1981
1982	---	---	1.78	3.71	0.182	0.419	0.007	0	0	0.004	---	---	0.750	1982
1983	---	---	1.00	0.451	0.068	0.003	0.003	0	0	0	---	---	0.191	1983
1984	---	---	0.004	0.002	0	0	0	0	0	0	---	---	0.001	1984
1985	---	---	0.158	0.258	0	0	0	0	0	0	---	---	0.051	1985
1986	---	1.74	3.18	0.015	0.212	0.003	0.015	0	0	0.005	---	---	0.434	1986
1987	---	---	2.00	0.474	0.858	0.001	0.008	0.008	0.001	0.001	---	---	0.314	1987
1988	---	---	0.005	0.004	0.002	0	0	0	0	0	---	---	0.001	1988
MEAN	---	0.748	0.873	1.12	0.215	0.111	0.057	0.004	0.003	0.005	---	---	0.270	MEAN

LOCATION - LAT 48 18 20 N DRAINAGE AREA, 494 km^2
LONG 107 42 12 W NATURAL FLOW

DENNIEL CREEK NEAR VAL MARIE - STATION NO. 11AC025

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1914	---	4.47 ON APR 11	0 ON JUL 15 *	---	1914
1915	---	5.49 ON APR 3	---	---	1915
1916	---	8.50 B ON MAR 30	---	---	1916
1917	---	9.88 ON APR 11	0E ON APR 1	---	1917
1918	---	7.62 B ON MAR 22	0 ON AUG 4	---	1918
1919	---	4.45 ON APR 2	0 ON MAR 1	2 400	1919
1920	---	5.18 B ON MAR 23	0E ON MAR 1	3 470	1920
1921	---	1.98 B ON MAR 21	0 ON AUG 3	1 220	1921
1922	---	8.17 B ON APR 3	0 ON MAR 1	5 590	1922
1923	87.4 ON JUN 18 *	47.9 ON JUN 18 *	0E ON MAR 1	11 000	1923
1924	---	5.95 ON APR 4	0E ON MAR 8	2 670	1924
1925	---	25.3 B ON MAR 26	0E ON MAR 1	13 800	1925
1926	---	21.0 ON MAR 17	0 ON JUL 17	8 210	1926
1927	---	31.1 ON APR 4	0E ON MAR 1	13 800	1927
1928	---	21.1 B ON MAR 22	0E ON MAR 1	10 200	1928
1929	---	0.8208 ON MAR 31	0E ON MAR 1	454	1929
1930	---	13.0 B ON MAR 12	0 ON JUL 8	8 990	1930
1931	---	---	0E ON MAR 11	---	1931
1935	---	---	---	---	1935
1936	---	7.79 E ON APR 18	0E ON MAR 1	---	1936
1937	---	2.52 ON APR 9	0E ON MAR 1	638	1937
1983	---	---	0 ON JUL 23	---	1983
1984	---	---	0 ON MAY 22	---	1984
1985	34.0 AT 02:00 MST ON APR 14	22.3 B ON APR 13	0E ON APR 1	---	1985
1986	---	---	0 ON JUL 12	---	1986
1987	20.6 AT 10:00 MST ON APR 14	15.2 B ON APR 12	0 ON JUL 22	---	1987
1988	---	0.0148 ON APR 1	0 ON JUL 7	---	1988
1989	34.0 B AT 03:00 MST ON APR 7	25.8 B ON APR 7	0 ON JUL 26	---	1989
1970	39.8 AT 04:01 MST ON APR 7	31.4 B ON APR 7	0 ON JUL 4	---	1970
1971	---	---	0 ON JUN 6	---	1971
1972	4.84 B AT 10:50 CST ON MAR 20	3.62 B ON MAR 20	0E ON MAR 1	1 180	1972
1973	2.47 B AT 15:00 CST ON MAR 5	2.06 B ON MAR 5	0 ON MAY 15	1 180	1973
1974	27.3 B AT 09:26 CST ON MAR 31	23.6 B ON MAR 31	0 ON JUN 23	14 800	1974
1975	15.6 AT 22:10 CST ON MAY 6	8.89 ON MAY 7	0E ON MAR 1	4 530	1975
1976	32.6 B AT 04:44 CST ON MAR 20	26.6 B ON MAR 20	0 ON JUL 11	12 000	1976
1977	0.830 AT 00:26 CST ON APR 10	0.524 ON APR 10	0 ON MAR 31	148	1977
1978	15.4 B AT 06:05 CST ON MAR 30	12.3 B ON MAR 28	0E ON MAR 1	7 720	1978
1979	19.4 AT 05:03 CST ON APR 16	16.1 ON APR 16	0E ON MAR 1	7 600	1979
1980	12.3 B AT 17:05 CST ON MAR 29	9.46 B ON MAR 29	0E ON MAR 1	5 050	1980
1981	---	0.0848 ON MAR 1	0 ON APR 20	63.3	1981
1982	23.2 AT 05:06 CST ON APR 13	17.3 ON APR 13	0E ON MAR 1	15 800	1982
1983	13.5 AT 15:33 CST ON MAR 31	9.08 ON MAR 30	0 ON JUN 20	4 050	1983
1984	0.0088 AT 00:20 CST ON MAR 9	0.0088 ON MAR 7	0E ON APR 17	15.5	1984
1985	4.20 AT 01:33 CST ON APR 3	2.88 ON APR 3	0E ON MAR 1	1 090	1985
1986	---	11.8 B ON MAR 3	0 ON JUN 16	9 180	1986
1987	12.0 B AT 12:27 CST ON MAR 8	8.77 B ON MAR 27	0 ON JUN 8	5 850	1987
1988	0.0198 AT 12:15 CST ON MAR 28	0.0128 ON MAR 22	0E ON MAR 1	27.2	1988
				5 720	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

DESCHARME RIVER BELOW DUPRE LAKE - STATION NO. 07CD007

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1978	---	---	---	---	15.4	---	---	---	---	14.5	10.0	8.58	---	1978
1979	7.88	7.88	7.62	8.55	18.1	13.3	12.4	11.2	11.1	11.5	11.1	8.77	11.0	1979
1980	8.43	7.72	---	---	---	9.31	8.80	10.5	11.8	12.8	10.5	8.92	---	1980
1981	8.26	7.87	8.36	10.6	12.3	8.70	9.27	8.42	7.25	8.00	8.57	8.17	8.83	1981
1982	7.81	7.17	7.05	9.08	23.5	10.9	8.75	10.8	8.84	7.92	8.07	8.78	8.88	1982
1983	7.01	6.83	6.88	10.6	12.2	8.93	7.88	7.73	9.18	8.88	8.82	7.31	8.88	1983
1984	8.18	8.18	7.35	12.8	8.88	8.78	8.84	10.4	9.32	8.30	8.42	7.88	9.18	1984
1985	7.14	8.80	6.53	7.71	15.3	9.21	9.22	8.18	8.87	10.5	8.38	8.78	8.72	1985
1986	8.82	7.28	7.81	11.8	14.8	9.13	10.0	8.80	7.81	8.28	8.24	7.80	9.11	1986
1987	7.85	7.28	7.23	12.7	13.7	8.20	8.89	7.74	8.15	8.24	8.84	7.83	8.88	1987
1988	8.33	8.27	7.41	10.7	14.5	10.4	11.8	8.48	10.0	9.03	8.93	7.76	9.37	1988
MEAN	7.82	7.30	7.37	10.6	15.1	9.88	9.48	9.40	9.18	8.81	8.93	7.88	9.24	MEAN

LOCATION - LAT 57 07 23 N
LONG 109 13 36 W
DRAINAGE AREA, 1 890 km^2
NATURAL FLOW

DESCHARME RIVER BELOW DUPRE LAKE - STATION NO. 07CD007

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1978	---	---	---	---	1978
1979	24.2 AT 16:19 CST ON MAY 21 *	23.9R ON MAY 20	7.58B ON MAR 4	348 000	1979
1980	14.0 AT 22:53 CST ON OCT 8	13.8R ON OCT 9	---	---	1980
1981	15.7 AT 03:22 CST ON MAY 5	15.3 ON MAY 4	8.58 ON NOV 28	278 000	1981
1982	---	26.0E ON MAY 12 *	8.38 ON NOV 13	308 000	1982
1983	16.8 AT 05:58 CST ON APR 24	16.3 ON APR 23	8.48 ON NOV 25	270 000	1983
1984	15.3 AT 19:53 CST ON APR 9	15.2 ON APR 9	8.50 ON MAR 22	290 000	1984
1985	---	19.4E ON MAY 11	8.35 ON DEC 17	275 000	1985
1986	18.4 AT 14:11 CST ON MAY 10	17.4 ON MAY 11	8.65 ON JAN 30	287 000	1986
1987	20.8 AT 13:14 CST ON MAY 3	16.9 ON MAY 3	8.42 ON JUL 28	273 000	1987
1988	16.1 AT 09:30 CST ON MAY 14	16.3 ON MAY 8	8.62B ON FEB 3 *	287 000	1988
				291 000	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD
R - REVISED SINCE JAN 01 1987

DILLON RIVER BELOW DILLON LAKE - STATION NO. 06BA002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1972	---	---	---	---	---	---	---	---	4.21	5.28	5.88	3.42	---	1972
1973	2.24	1.33	0.856	3.73	7.81	11.8	19.1	54.0	31.2	24.6	18.7	8.78	15.3	1973
1974	8.84	5.72	4.28	20.8	48.5	22.3	27.8	19.4	13.9	12.2	8.94	5.18	16.8	1974
1975	3.45	2.45	1.26	2.00	12.8	12.8	19.0	17.8	21.5	16.9	11.0	8.40	10.6	1975
1976	4.14	2.40	0.795	9.34	10.7	7.45	33.1	21.3	13.6	12.4	9.25	4.84	10.8	1976
1977	3.89	2.32	1.04	5.59	11.0	18.7	8.54	8.32	4.37	5.89	5.16	4.05	6.48	1977
1978	3.42	2.30	1.47	3.06	27.2	21.6	8.75	3.38	8.54	8.89	4.20	2.07	7.77	1978
1979	0.972	---	---	---	26.2	25.8	15.8	12.5	17.1	12.0	7.83	4.33	---	1979
1980	2.55	0.810	0.555	5.70	8.72	3.08	4.13	17.8	18.1	16.7	8.51	3.57	7.45	1980
1981	1.35	1.08	1.35	5.84	8.20	5.70	9.04	7.43	3.86	3.02	4.12	2.62	4.47	1981
1982	1.47	0.774	0.747	3.58	44.8	18.1	7.88	6.62	6.02	4.13	2.84	1.90	8.29	1982
1983	1.91	1.52	1.08	5.15	8.84	8.53	11.8	8.85	6.27	11.7	9.89	2.69	6.11	1983
1984	1.35	1.08	0.885	5.80	18.7	27.9	8.06	4.78	5.87	7.59	6.42	4.36	7.77	1984
1985	2.22	1.08	1.13	8.88	73.8	21.4	9.52	5.19	4.95	5.15	3.33	1.28	11.6	1985
1986	0.898	1.18	1.18	5.20	16.4	11.1	24.7	28.2	5.89	4.13	3.25	3.37	8.95	1986
1987	2.38	2.28	2.46	16.2	29.5	14.7	6.10	3.59	2.83	2.08	1.83	1.50	7.14	1987
1988	0.736	0.875	0.901	2.80	5.45	8.41	19.4	16.8	12.9	4.96	3.30	2.52	6.42	1988
MEAN	2.62	1.81	1.31	7.02	22.3	14.9	14.5	14.5	10.5	9.32	6.34	3.71	9.05	MEAN

LOCATION - LAT 55 42 35 N
LONG 108 23 08 W
DRAINAGE AREA, 2 330 km^2
NATURAL FLOW

DILLON RIVER BELOW DILLON LAKE - STATION NO. 06BA002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1972	---	---	---	---	1972
1973	88.9 AT 13:14 CST ON AUG 17 *	86.3 ON AUG 17	0.880 ON MAR 20	482 000	1973
1974	---	93.2A ON MAY 3	3.85 ON MAR 29	522 000	1974
1975	25.3 AT 12:54 CST ON SEP 16	24.7 ON SEP 16	0.515 ON APR 5	335 000	1975
1976	51.5 AT 13:48 CST ON JUL 22	51.0 ON JUL 22	0.606 ON MAR 29	340 000	1976
1977	28.7 AT 02:11 CST ON JUN 10	28.7 ON JUN 9	0.782 ON MAR 28	204 000	1977
1978	35.4 AT 13:54 CST ON MAY 12	32.0 ON MAY 11	0.954 ON MAR 24	245 000	1978
1979	---	33.2 ON MAY 25	---	---	1979
1980	---	23.0E ON AUG 12	0.383B ON MAR 10 *	228 000	1980
1981	12.8 AT 16:12 CST ON JUL 27	12.1 ON JUL 25	0.845B ON FEB 11	141 000	1981
1982	85.1 AT 09:55 CST ON MAY 9	84.8A ON MAY 9	0.842B ON FEB 26	281 000	1982
1983	---	14.3 ON JUL 9	0.990E ON MAR 31	193 000	1983
1984	52.7 AT 19:05 CST ON JUN 1	48.5 ON JUN 1	0.488B ON MAR 16	248 000	1984
1985	---	108 E ON MAY 11 *	0.830B ON FEB 3	386 000	1985
1986	55.0 AT 17:55 CST ON JUL 30	53.6 ON JUL 30	0.783B ON JAN 8	282 000	1986
1987	46.6 AT 20:29 CST ON MAY 4	43.9 ON MAY 3	1.21 B ON DEC 17	235 000	1987
1988	35.9 AT 14:45 CST ON JUL 26	34.4 ON JUL 26	0.413B ON JAN 13	203 000	1988
				285 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

DIXON DITCH NEAR MAPLE CREEK - STATION NO. 05HA041

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1918	---	---	---	---	---	---	---	---	---	---	---	---	---	1918
1919	---	---	---	---	---	---	---	---	---	---	---	---	---	1919
1924	---	---	---	0.075	0.085	---	---	---	---	---	---	---	---	1924
MEAN	---	---	---	0.075	0.085	---	---	---	---	---	---	---	---	MEAN

LOCATION - LAT 49 59 26 N
LONG 109 30 53 W
REGULATED

DIXON DITCH NEAR MAPLE CREEK - STATION NO. 05HA041

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1918	---	---	0 ON AUG 15 *	---	1918
1919	---	---	0 ON MAY 28	---	1919
1924	---	---	0 ON APR 1	---	1924
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

DOGHIDE RIVER BELOW TISDALE - STATION NO. 05KB009

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1965	---	---	0	3.28	0.427	---	---	---	---	---	---	---	---	1965
1966	---	---	---	10.6	2.17	---	---	---	---	---	---	---	---	1966
1967	---	---	---	---	5.64	---	---	---	---	---	---	---	---	1967
1972	---	---	---	---	---	---	---	---	---	---	---	---	---	1972
1973	---	---	---	0.101	---	---	---	---	---	---	---	---	---	1973
1974	---	---	---	10.4	2.23	---	---	---	---	---	---	---	---	1974
1975	---	---	0	7.50	2.94	0.440	0.013	0.001	0.001	0.002	---	---	1.35	1975
1976	---	---	0.007	5.52	0.100	0.475	0.041	0	0	0.001	---	---	0.783	1976
MEAN	---	---	0.002	6.24	2.42	0.458	0.027	0.001	0.001	0.002	---	---	1.05	MEAN

LOCATION - LAT 52 52 23 N DRAINAGE AREA, 398 km^2
LONG 104 02 17 W NATURAL FLOW

DOGHIDE RIVER BELOW TISDALE - STATION NO. 05KB009

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1965	---	15.4 ON APR 14	0E ON MAR 1 *	---	1965
1966	---	---	---	---	1966
1967	---	---	---	---	1967
1972	86.4B AT 09:00 CST ON APR 23 *	---	---	---	1972
1973	---	---	---	---	1973
1974	72.8 AT 00:30 CST ON APR 20	---	---	---	1974
1975	---	31.7 ON APR 29 *	0B ON MAR 1	25 500	1975
1976	---	25.9 ON APR 9	0B ON MAR 1	15 900	1976
	B - ICE CONDITIONS E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD.		22 200	MEAN

DOGHIDE RIVER NEAR RUNCIMAN - STATION NO. 05KB011

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1977	---	---	0	1.30	0.986	0.123	0.001	0	0	0	---	---	0.297	1977
1978	---	---	0	8.72	0.838	0	0	0	0	0.003	---	---	1.14	1978
1979	---	---	0	11.7	5.91	1.11	0.281	0	0	0.007	---	---	2.35	1979
1980	---	---	0	5.29	0.188	0.003	0	0	0	0.001	---	---	0.672	1980
1981	---	---	0.289	0.398	0.006	0.001	0.010	0	0	0.017	---	---	0.081	1981
1982	---	---	0	4.59	0.268	0.133	0.008	0	0	0	---	---	0.810	1982
1983	---	---	0	3.28	0.598	0.151	0.088	0	0	0	---	---	0.501	1983
1984	---	---	0.088	2.88	1.07	2.77	0.072	0.002	0	0.028	---	---	0.848	1984
1985	---	---	0	13.9	0.583	0.088	0.002	0	0	0.013	---	---	1.78	1985
1986	---	---	0.327	4.68	0.262	0.025	0	0	0	0.005	---	---	0.651	1986
1987	---	---	0	2.64	0.037	0	0	0	0	0.030	---	---	0.319	1987
1988	---	---	0	7.82	0.108	0.001	0	0	0	0	---	---	0.948	1988
MEAN	---	---	0.088	5.87	0.871	0.385	0.037	0	0	0.009	---	---	0.850	MEAN

LOCATION - LAT 52 58 15 N DRAINAGE AREA, 440 km^2
LONG 104 04 58 W NATURAL FLOW

DOGHIDE RIVER NEAR RUNCIMAN - STATION NO. 05KB011

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1977	---	5.58 ON APR 11	0.0 ON MAR 1 *	8 280	1977
1978	31.7 AT 15:52 CST ON APR 19	30.6 ON APR 19	0.0 ON MAR 1	24 000	1978
1979	56.6 AT 11:34 CST ON APR 25	51.3 ON APR 25	0.0 ON MAR 1	48 700	1979
1980	30.3 AT 07:17 CST ON APR 18	27.2 ON APR 18	0.0 ON MAR 1	14 200	1980
1981	2.708 AT 18:26 CST ON APR 1	1.788 ON APR 1	0.0 ON MAR 1	1 830	1981
1982	---	24.5 B ON APR 17	0.0 ON MAR 1	12 900	1982
1983	21.9 AT 17:29 CST ON APR 22	19.0 B ON APR 22	0.0 ON MAR 1	10 600	1983
1984	17.5 AT 15:13 CST ON JUN 22	14.8 ON JUN 22	0.0 ON MAR 1	17 900	1984
1985	66.7 AT 19:21 CST ON APR 14 *	61.4 ON APR 15 *	0.0 ON MAR 1	37 700	1985
1986	13.3 B AT 05:12 CST ON APR 7	13.0 B ON APR 7	0.0 ON MAR 1	13 800	1986
1987	20.6 AT 11:33 CST ON APR 8	17.1 B ON APR 8	0.0 ON MAR 1	6 780	1987
1988	28.9 B AT 06:05 CST ON APR 9	25.1 ON APR 12	0.0 ON MAR 1	20 000	1988
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		15 000	MEAN

DOGHIDE RIVER NEAR TISDALE - STATION NO. 05KB002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1930	---	---	---	---	---	---	---	---	---	0.194	0.145	0.033	---	1930
1931	0.029	0.037	0.116	1.98	---	---	---	---	---	---	---	---	---	1931
MEAN	0.029	0.037	0.116	1.98	---	---	---	---	---	0.194	0.145	0.033	---	MEAN

LOCATION - LAT 52 49 00 N DRAINAGE AREA, 383 km^2
LONG 104 02 00 W NATURAL FLOW

DOGHIDE RIVER NEAR TISDALE - STATION NO. 05KB002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1930	---	---	---	---	1930
1931	---	8.12 ON APR 9 *	---	---	1931
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

DORE RIVER NEAR THE MOUTH - STATION NO. 08AG002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1971	---	---	---	---	---	6.18	6.68	3.29	2.07	2.18	0.740	0.921	---	1971
1972	0.743	1.01	2.84	3.81	13.8	9.05	5.13	2.45	4.85	6.55	5.20	1.25	4.49	1972
1973	2.81	4.78	6.20	7.31	9.87	9.07	9.32	5.08	7.26	7.57	7.75	5.57	6.86	1973
1974	5.84	5.87	4.55	5.25	16.5	14.5	6.48	5.75	7.31	8.26	8.78	6.80	8.36	1974
1975	8.30	7.11	6.48	7.38	16.9	21.7	12.1	11.7	6.74	6.47	7.68	6.99	10.2	1975
1976	3.98	4.88	5.11	7.71	8.75	6.85	7.34	3.08	2.04	2.28	1.61	1.08	4.85	1976
1977	---	---	---	---	---	---	---	---	---	1.68	---	---	---	1977
1978	0.775	0.838	---	---	---	---	1.88	1.81	2.27	2.48	1.86	1.21	---	1978
1979	1.40	1.44	1.48	4.18	8.37	7.72	4.74	2.24	3.83	3.20	2.84	1.79	3.84	1979
1980	0.878	1.38	1.88	3.81	5.04	2.08	1.48	4.01	11.8	8.28	3.27	2.22	3.88	1980
1981	1.43	1.42	2.22	5.51	8.30	5.84	2.48	1.83	0.975	0.880	0.882	0.850	2.80	1981
1982	0.807	0.870	0.893	2.38	7.88	5.87	2.38	1.84	1.28	2.77	1.88	0.833	2.44	1982
1983	1.02	1.18	1.14	2.83	8.50	5.08	4.04	1.48	2.07	1.80	1.34	0.707	2.42	1983
1984	0.878	0.882	0.978	3.52	10.0	8.78	2.08	0.988	0.898	1.18	0.838	0.809	2.41	1984
1985	0.471	0.518	0.788	5.23	9.09	8.83	2.38	1.25	1.58	1.83	0.728	0.488	2.75	1985
1986	0.414	0.424	0.885	2.93	7.88	6.07	7.00	8.87	2.58	2.18	1.43	1.25	3.37	1986
1987	1.80	3.08	3.43	6.82	8.78	6.88	6.85	4.32	2.58	2.14	1.78	2.07	4.18	1987
1988	1.25	1.24	1.68	5.21	7.19	5.14	6.97	3.90	2.14	1.83	0.975	0.884	3.10	1988
MEAN	2.04	2.27	2.89	5.10	9.73	7.85	5.31	3.82	3.78	3.50	2.89	2.18	4.38	MEAN

LOCATION - LAT 54 55 49 N DRAINAGE AREA, 2 950 km^2
LONG 107 44 37 W NATURAL FLOW

DORE RIVER NEAR THE MOUTH - STATION NO. 08AG002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1971	---	---	---	---	1971
1972	18.9 AT 23:38 CST ON APR 29	18.7 ON APR 30	0.2278 ON DEC 23 *	142 000	1972
1973	---	18.5 B ON APR 19	1.57 B ON JAN 4	211 000	1973
1974	20.3 AT 20:38 CST ON MAY 29	20.2 ON MAY 29	4.25 B ON MAR 27	284 000	1974
1975	---	25.2 E ON JUN 7 *	8.31 B ON MAR 18	322 000	1975
1976	15.0 AT 04:45 CST ON JUL 15	14.7 ON JUL 15	0.5958 ON DEC 25	154 000	1976
1977	---	---	---	---	1977
1978	---	---	0.6208 ON FEB 4	---	1978
1979	13.5 B AT 03:45 CST ON MAY 2	13.4 B ON MAY 1	1.11 B ON JAN 28	115 000	1979
1980	15.1 AT 02:58 CST ON SEP 18	15.0 ON SEP 18	0.8808 ON JAN 11	116 000	1980
1981	9.30 AT 15:28 CST ON MAY 2	9.24 ON MAY 1	0.6458 ON DEC 28	88 400	1981
1982	---	8.58 ON MAY 8	0.5288 ON FEB 18	77 000	1982
1983	8.71 AT 15:12 CST ON JUN 28	8.48 ON JUN 28	0.4888 ON DEC 26	76 300	1983
1984	21.8 AT 00:11 CST ON MAY 23 *	21.8 ON MAY 22	0.5108 ON JAN 11	78 400	1984
1985	15.6 AT 00:23 CST ON JUN 10	15.2 ON JUN 10	0.2388 ON NOV 25	88 800	1985
1986	15.6 AT 12:26 CST ON AUG 1	15.6 ON AUG 1	0.3188 ON JAN 2	105 000	1986
1987	15.9 AT 08:25 CST ON APR 19	15.1 B ON APR 19	1.35 B ON NOV 23	132 000	1987
1988	11.9 B AT 09:44 CST ON APR 20	9.988 ON APR 21	0.3528 ON DEC 26	88 000	1988
				138 000	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

DOUGLAS RIVER NEAR CLUFF LAKE - STATION NO. 07MA003

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1975	---	---	---	---	---	---	---	---	8.82	10.4	7.02	6.84	---	1975
1976	7.71	8.88	8.85	14.5	11.8	9.37	7.85	8.28	7.15	8.45	7.38	6.88	9.62	1976
1977	5.59	5.57	5.04	12.0	12.5	12.1	13.2	11.8	13.3	10.5	7.11	6.44	8.81	1977
1978	5.70	5.72	5.97	6.25	20.7	11.7	7.88	8.19	17.0	18.9	10.1	7.02	10.5	1978
1979	4.76	3.29	3.00	4.11	16.7	10.4	7.88	7.41	7.10	7.78	5.78	5.20	8.88	1979
1980	4.66	4.61	4.72	7.82	7.02	5.66	5.41	5.96	7.13	7.28	4.95	3.83	5.80	1980
1981	4.33	4.35	5.17	7.28	18.5	11.7	10.4	8.38	8.75	7.05	5.48	5.09	7.88	1981
1982	4.22	3.87	4.15	6.19	23.4	9.85	7.07	8.44	8.86	8.88	5.80	5.54	8.27	1982
1983	5.56	5.19	5.38	8.21	13.1	11.3	8.11	7.34	7.87	8.18	6.87	6.11	8.02	1983
1984	6.11	6.81	6.00	8.32	7.64	7.63	8.75	11.4	13.0	12.7	12.7	11.0	8.42	1984
1985	10.8	11.1	8.35	8.73	30.7	16.5	12.6	9.82	13.9	13.8	12.8	10.8	13.4	1985
1986	10.1	8.87	8.83	10.7	17.7	11.3	14.3	14.3	12.0	10.5	8.28	8.00	11.7	1986
1987	7.84	7.42	7.47	12.5	21.4	11.1	8.10	9.30	10.1	8.80	8.20	7.61	10.1	1987
1988	7.98	7.45	8.99	7.38	21.6	13.4	10.8	10.7	10.1	12.3	10.6	9.32	12.4	1988
MEAN	6.65	6.45	6.21	9.00	17.1	10.9	10.8	9.85	10.6	10.6	8.20	7.18	9.49	MEAN

LOCATION - LAT 58 18 20 N
LONG 108 47 10 W
DRAINAGE AREA, 1 690 km^2
NATURAL FLOW

DOUGLAS RIVER NEAR CLUFF LAKE - STATION NO. 07MA003

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1975	---	---	---	---	1975
1976	22.8 AT 17:00 CST ON APR 19	22.8 ON APR 19	5.83 ON JUL 20	288 000	1976
1977	---	23.3 ON APR 28	4.648 ON MAR 10	303 000	1977
1978	32.4 AT 15:15 CST ON MAY 7	33.1 ON MAY 7	4.84 ON APR 11	333 000	1978
1979	27.8 AT 18:31 CST ON MAY 19	27.7 ON MAY 19	3.008 ON FEB 28 *	220 000	1979
1980	---	11.68 ON APR 21	3.878 ON DEC 11	183 000	1980
1981	---	23.0E ON MAY 5	3.808 ON FEB 14	252 000	1981
1982	---	30.8E ON MAY 7	3.808 ON FEB 24	291 000	1982
1983	18.9 AT 23:54 CST ON APR 28	18.7 ON APR 28	4.74 ON APR 3	283 000	1983
1984	18.2 AT 22:20 CST ON OCT 24	18.1 ON OCT 24	5.17 ON FEB 25	298 000	1984
1985	47.9 AT 20:10 CST ON MAY 5 *	47.6 ON MAY 5 *	8.20 ON APR 5	424 000	1985
1986	22.2 AT 12:48 CST ON JUL 13	22.2 ON JUL 13	5.78 ON APR 5	370 000	1986
1987	32.1 AT 20:10 CST ON APR 30	31.9 ON MAY 2	8.30 ON APR 5	318 000	1987
1988	26.8 AT 08:36 CST ON MAY 14	26.6 ON MAY 14	8.16 ON APR 3	383 000	1988
				299 000	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

DOWNIE CREEK BELOW DOWNIE LAKE - STATION NO. 08HA073

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1955	---	---	---	---	---	0.021	0.568	0.706	0.217	0.374	---	---	---	1955
1956	---	---	0.028	0.033	0.104	0.895	0.274	0.005	0.002	0.005	---	---	0.167	1956
1957	---	---	0.042	0.055	0.769	0.236	0.875	0.244	0.009	0.031	---	---	0.297	1957
1958	---	---	0.076	0.025	0.858	0.083	1.00	0.142	0.001	0.003	---	---	0.280	1958
1959	---	---	0.127	0.029	0.589	0.342	0.669	0.895	0.002	0	---	---	0.310	1959
1960	---	---	0.081	0.043	0.812	0.087	1.24	0.078	0	0.067	---	---	0.302	1960
1961	---	---	0.010	0.003	0.600	0.014	0	0.078	0	0	---	---	0.069	1961
1962	---	---	0.037	0.010	0.024	0.389	0.712	0.024	0.179	0.008	---	---	0.159	1962
1963	---	---	0.081	0.017	1.11	0.418	0.056	0	0	0.019	0.184	---	0.211	1963
1964	---	---	0.001	0.049	0.035	0.047	1.37	0.351	0	0.001	---	---	0.234	1964
1965	---	---	0	0.327	0.872	0.891	0.820	0.937	0.013	0.012	---	---	0.435	1965
1966	---	---	0.026	0.412	1.88	0.086	1.06	0.513	0	0.010	---	---	0.480	1966
1967	---	---	0.045	0.452	2.88	0.606	0.709	0.276	0.005	0.008	---	---	0.625	1967
1968	---	---	0.035	0.181	0.999	0.047	0.780	0.082	0.009	0.012	---	---	0.287	1968
1969	---	---	0.094	0.034	1.10	0.041	1.08	0.053	0	0	---	---	0.306	1969
1970	---	---	0.017	0.073	1.15	0.255	0.517	0.287	0	0.020	---	---	0.294	1970
1971	---	0.015	0.029	0.406	0.535	0.058	1.05	0.152	0.058	0.001	---	---	0.267	1971
1972	---	---	0.064	0.283	0.818	0	0.840	0.082	0	0.002	---	---	0.278	1972
1973	---	---	0.015	0.013	0.401	0.132	---	---	---	---	---	---	---	1973
MEAN	---	0.015	0.044	0.138	0.858	0.232	0.787	0.283	0.028	0.032	0.184	---	0.288	MEAN

LOCATION - LAT 49 48 28 N DRAINAGE AREA, 155 km²
LONG 109 38 10 W REGULATED

DOWNIE CREEK BELOW DOWNIE LAKE - STATION NO. 08HA073

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1955	---	---	---	---	1955
1956	---	1.61 ON JUN 3	08 ON MAR 1 *	3 830	1956
1957	---	1.81 ON MAY 24	08 ON MAR 7	8 290	1957
1958	---	1.73 ON MAY 23	08 ON APR 4	5 920	1958
1959	---	2.10 ON JUL 28	08 ON MAR 8	6 590	1959
1960	---	1.98 ON JUL 13	08 ON MAR 1	6 380	1960
1961	---	1.08 ON MAY 11	08 ON MAR 1	1 890	1961
1962	---	0.97 ON JUN 14	08 ON MAR 1	3 550	1962
1963	---	1.82 ON JUN 3	0 ON MAR 19	4 450	1963
1964	---	2.37 ON JUL 11	0 ON MAR 1	4 950	1964
1965	---	6.94 ON JUN 26	08 ON MAR 1	9 210	1965
1966	---	2.78 ON MAY 23	08 ON MAR 1	10 200	1966
1967	---	13.9 ON MAY 9 *	08 ON MAR 8	13 200	1967
1968	---	1.77 ON MAY 2	0 ON AUG 14	5 850	1968
1969	---	1.53 ON MAY 7	08 ON MAR 1	6 480	1969
1970	---	2.82 ON MAY 1	08 ON MAR 1	6 220	1970
1971	---	1.41 ON JUL 16	08 ON MAR 1	5 070	1971
1972	---	1.54 ON JUL 17	08 ON MAR 1	5 890	1972
1973	---	---	08 ON MAR 7	---	1973
				6 280	MEAN

8 - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

DOWNIE LAKE INFLOW CANAL - STATION NO. 08HA070

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1944	---	---	0.482	0.312	0.008	0	0	0	0	0	---	---	0.088	1944
1945	---	---	0.531	0.041	0.008	0.001	0	0	0	0	---	---	0.073	1945
1946	---	---	1.15	0.223	0.027	0	0	0	0	0	---	---	0.176	1946
1947	---	---	---	1.25	0.050	0.035	0	0	0	0	---	---	---	1947
1948	---	---	1.32	1.97	0.081	0	0	0	0	0	---	---	0.418	1948
1949	---	---	0.111	0.288	0.001	0	0	0	0	0	---	---	0.047	1949
1950	---	---	0.028	1.28	0.088	0	0.051	0.038	0	0	---	---	0.184	1950
1951	---	---	0.183	1.98	0.033	0.048	0.001	0.238	0.044	0.008	---	---	0.313	1951
1952	---	---	0	0	0	0	0	0	0	0	---	---	0	1952
1953	---	---	0.810	0.985	0	0	0	0	0	0	---	---	0.198	1953
1954	---	0.117	0.041	1.26	0.097	0.032	0.001	0.002	0.073	0.003	---	---	0.188	1954
1955	---	---	0.327	1.30	0.058	0.002	0.047	0	0	0	---	---	0.213	1955
1956	---	---	0.185	0.838	0.258	0.001	0	0	0	0	---	---	0.135	1956
1957	---	---	0.135	1.21	0.111	0	0	0	0	0	---	---	0.180	1957
1958	---	---	0.332	1.30	0.024	0	0	0	0	0	---	---	0.204	1958
1959	---	---	1.00	0.809	0.074	0.218	0.013	0	0	0	---	---	0.263	1959
1960	---	---	1.40	0.417	0	0	0	0	0	0	---	---	0.228	1960
1961	---	---	0.078	0.020	0.042	0	0	0	0	0	---	---	0.017	1961
1962	---	---	0.258	0.181	0	0.204	0	0	0	0	---	---	0.077	1962
1963	---	0.804	0.598	0.085	0.013	0.012	0.034	0	0	0	---	---	0.094	1963
1964	---	---	0.041	0.277	0.444	0.326	0	0	0	0	---	---	0.135	1964
1965	---	---	0	2.30	0	0.273	0.070	0	0	0	---	---	0.324	1965
1966	---	---	1.15	0.205	0.044	0.041	0	0	0	0	---	---	0.188	1966
1967	---	---	0.891	0.948	0	0	0	0	0.005	0	---	---	0.230	1967
1968	---	---	0.675	0.128	0.002	0	0	0	0	0	---	---	0.101	1968
1969	---	---	0.893	1.33	0.098	0.001	0	0	0	0	---	---	0.300	1969
1970	---	---	0.085	2.36	0.070	0.209	0	0	0	0	---	---	0.336	1970
1971	---	0.155	0.296	1.45	0.001	0	0	0	0	0	---	---	0.215	1971
1972	---	---	1.02	0.026	0.088	0.002	0	0	0	0	---	---	0.144	1972
1973	---	---	0.250	0.313	0.143	0	0	0	0	0	---	---	0.089	1973
1974	---	---	0.303	0.472	0.877	0.047	0	0	0	0	---	---	0.225	1974
1975	---	---	0	1.56	0.514	0.143	0	0	0	0	---	---	0.278	1975
1976	0.138	0	0.517	0.232	0.006	0.044	0	0	0	0	---	---	0.138	1976
1977	---	---	0.006	0.295	0.019	0	0	0	0	0	---	---	0.040	1977
1978	---	---	0.836	0.825	0.238	0.058	0	0	0.017	0.002	---	---	0.243	1978
1979	---	---	1.40	0.765	0.141	0.009	0	0	0	0	---	---	0.288	1979
1980	---	---	0.178	0.368	0	0	0	0	0	0	---	---	0.087	1980
1981	---	0.188	0.070	0.055	0.077	0.458	0	0	0	0	---	---	0.081	1981
1982	---	0.033	0.075	1.18	0.247	1.70	0	0	0	0	---	---	0.384	1982
1983	---	---	0.455	0.169	0.761	0.001	0	0	0	0	---	---	0.181	1983
1984	---	---	0.080	0.230	0.072	0	0	0	0	0	---	---	0.047	1984
1985	---	---	0.185	1.22	0.111	0.003	0	0	0	0	---	---	0.187	1985
1986	0.186	0.748	0.388	0.048	0.784	0.006	0	0	0.282	0.006	---	---	0.188	1986
1987	---	0.014	0.413	0.592	0	0	0	0	0	0	---	---	0.125	1987
1988	---	0.088	0.324	0.057	0	0	0	0	0	0	---	---	0.048	1988
MEAN	0.162	0.218	0.443	0.738	0.130	0.087	0.005	0.006	0.011	0	---	---	0.175	MEAN

LOCATION - LAT 49 49 03 N
LONG 109 39 10 W REGULATED

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1963

DOWNIE LAKE INFLOW CANAL - STATION NO. 05HA070

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1944	---	2.69 ON MAR 31	0 ON MAR 1 *	2 070	1944
1945	---	1.30 B ON MAR 12	0 ON MAR 1	1 550	1945
1946	---	2.80 ON MAR 27	0 ON MAY 10	3 730	1946
1947	---	3.34 B ON MAR 21	0 ON MAY 31	---	1947
1948	---	5.24 ON APR 18	0 ON MAR 1	5 870	1948
1949	---	0.827 ON MAR 27	0 ON MAR 1	804	1949
1950	---	5.52 ON APR 15	OB ON MAR 1	3 900	1950
1951	---	5.30 B ON APR 4	OB ON MAR 1	6 830	1951
1952	---	0 ON MAR 1	0 ON MAR 1	0	1952
1953	---	5.61 ON APR 22	OB ON MAR 1	4 190	1953
1954	---	3.40 ON APR 13	OB ON MAR 1	3 980	1954
1955	---	5.15 B ON APR 2	OB ON MAR 1	4 520	1955
1956	---	2.15 B ON APR 14	OB ON MAR 1	2 870	1956
1957	---	3.54 ON APR 17	OB ON MAR 28	3 810	1957
1958	---	6.37 B ON APR 1	OB ON MAR 7	4 320	1958
1959	---	4.36 ON MAR 27	0 ON MAY 17	5 580	1959
1960	---	5.77 ON MAR 20	OB ON MAR 1	4 630	1960
1961	---	0.820 ON MAR 17	0 ON MAR 1	388	1961
1962	---	4.59 ON JUN 14	OB ON MAR 1	1 830	1962
1963	---	2.61 ON MAR 23	0 ON APR 10	1 880	1963
1964	---	4.67 ON MAY 4	0 ON MAR 1	2 880	1964
1965	---	5.80 ON APR 14	OB ON MAR 1	5 870	1965
1966	---	4.45 B ON MAR 31	OB ON MAR 1	3 930	1966
1967	---	7.70 ON APR 11	OB ON MAR 5	4 870	1967
1968	---	1.61 B ON MAR 8	0 ON APR 28	2 150	1968
1969	---	5.17 ON MAR 18	0 ON MAR 1	5 360	1969
1970	---	10.5 ON APR 7 *	OB ON MAR 1	7 120	1970
1971	---	5.86 ON APR 7	0 ON MAY 5	4 540	1971
1972	---	5.61 B ON MAR 17	OB ON MAR 1	3 050	1972
1973	---	2.55 ON APR 28	0 ON APR 8	1 890	1973
1974	8.85 AT 10:48 CST ON MAY 24	5.38 ON MAY 24	OB ON MAR 1	4 770	1974
1975	8.91 B AT 10:09 CST ON APR 27	8.30 B ON APR 27	OB ON MAR 1	5 850	1975
1976	8.52 B AT 08:09 CST ON MAR 19	5.55 B ON MAR 19	OB ON MAR 1	2 920	1976
1977	---	2.28 ON APR 7	OB ON MAR 1	841	1977
1978	---	3.94 ON MAR 31	OB ON MAR 1	5 140	1978
1979	---	7.47 B ON APR 10	OB ON MAR 1	5 110	1979
1980	3.06 AT 12:06 CST ON APR 8	2.42 ON APR 8	OB ON MAR 1	1 420	1980
1981	7.27 AT 22:32 CST ON JUN 14	4.84 ON JUN 15	0 ON JUN 1	1 720	1981
1982	8.24 AT 04:42 CST ON JUN 1	7.82 ON JUN 3	OB ON MAR 28	5 350	1982
1983	---	5.20 ON MAY 18	0 ON APR 27	3 830	1983
1984	0.887 AT 12:20 CST ON APR 10	0.834 ON APR 10	OB ON MAR 1	1 000	1984
1985	8.82 AT 08:44 CST ON APR 2	7.64 ON APR 2	OB ON MAR 1	3 850	1985
1986	13.5 AT 18:01 CST ON SEP 25 *	8.05 ON SEP 25	0 ON JUN 22	3 870	1986
1987	8.68 AT 08:03 CST ON APR 1	8.08 ON APR 1	OB ON MAR 1	2 830	1987
1988	---	1.44 ON MAR 21	DE ON APR 20	1 010	1988
				3 700	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

DOWNIE LAKE OUTFLOW CANAL - STATION NO. 05HA071

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1945	---	---	---	---	---	---	---	---	---	---	---	---	---	1945
1946	---	---	---	---	---	---	---	---	---	---	---	---	---	1946
1947	---	---	---	---	---	---	---	---	---	---	---	---	---	1947
1950	---	---	0.011	0.028	0.010	0.729	0.550	0.085	0.022	0.001	---	---	0.175	1950
1951	---	---	0	0.058	0.124	0.103	0.478	0.518	0.005	0.005	---	---	0.183	1951
1952	---	---	0	0	0	0.158	0.620	0.309	0.024	0	---	---	0.141	1952
1953	---	---	0	0	0	0.075	0.860	0.280	0	0	---	---	0.188	1953
1954	---	---	0	0	0	0	0.944	0.058	0.011	0	---	---	0.128	1954
1955	---	---	---	---	---	---	---	---	---	---	---	---	---	1955
MEAN	---	---	0.002	0.017	0.027	0.215	0.714	0.244	0.013	0.001	---	---	0.155	MEAN

LOCATION - LAT 49 48 55 N
LONG 109 40 47 W REGULATED

DOWNIE LAKE OUTFLOW CANAL - STATION NO. 05HA071

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1945	---	---	0 ON MAR 15 *	---	1945
1946	---	---	OR ON MAR 14	---	1946
1947	---	---	0 ON AUG 4	---	1947
1950	---	1.75 ON JUN 15	0 ON MAR 1	3 700	1950
1951	---	2.80 ON JUL 25 *	OB ON MAR 1	3 440	1951
1952	---	2.35 ON JUN 15	0 ON MAR 1	2 980	1952
1953	---	2.41 ON JUL 17	0 ON MAR 1	3 570	1953
1954	---	1.50 ON JUL 15	0 ON MAR 1	2 710	1954
1955	---	---	OR ON MAR 11	---	1955
				3 280	MEAN

B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD
R - REVISED SINCE JAN 01 1987

DRAGLINE CHANNEL NEAR SQUAW RAPIDS - STATION NO. 05KH011

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1978	0.463	0.525	0.675	0.629	0.121	0.045	0.478	0.945	0.600	0.334	0.232	0.867	0.510	1978
1978	0.293	0.107	0.158	0.331	0.171	0.338	0.477	0.183	0.035	0.002	0	0	0.178	1978
1979	0.038	0.034	0.048	0.059	0.417	0.158	0.218	0.067	0	0	0.023	0.517	0.135	1979
1980	0.389	0.623	0.463	0.287	0.254	12.9	5.39	7.19	5.25	3.73	0.222	1.04	3.14	1980
1981	0.780	0.478	0.572	0.920	0.598	0.812	0.338	11.3	7.83	3.82	1.14	0.437	2.41	1981
1982	0.337	0.385	0.385	0.354	5.21	4.08	8.50	8.98	0.345	0.203	0.283	1.96	2.42	1982
1983	2.78	1.63	0.670	0.787	0.481	0.043	0	0	0	0	0.447	0.828	0.818	1983
1984	0.881	0.605	0.856	0.780	1.19	0.989	0.431	0.171	0.453	0.839	0.585	0.874	0.662	1984
1985	0.184	0.347	0.939	1.31	1.41	0.303	0.370	0.043	0.190	0.314	0.234	0.863	0.528	1985
1986	0.771	0.594	0.515	1.07	1.35	1.56	11.7	3.26	5.58	5.83	0.769	0.951	2.95	1986
1987	0.881	0.789	0.843	0.857	0.848	0.677	1.55	2.67	3.83	2.19	0.532	0.780	1.34	1987
1988	0.995	0.704	0.440	1.25	0.742	1.15	4.88	2.39	2.83	1.85	0.372	0.481	1.48	1988
MEAN	0.714	0.587	0.538	0.704	1.05	1.92	2.88	2.96	2.31	1.57	0.402	0.724	1.36	MEAN

LOCATION - LAT 53 50 00 N
LONG 102 56 25 W REGULATED

DRAGLINE CHANNEL NEAR SQUAW RAPIDS - STATION NO. 05KH011

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1978	---	1.28 ON AUG 11	0.002 ON JUN 22	18 100	1978
1978	---	0.6238 ON APR 6	5 B ON FEB 18 *	5 858	1978
1979	---	0.8448 ON DEC 21	5 A ON AUG 27	4 360	1979
1980	20.7 AT 04:33 CST ON JUN 7	20.3 ON JUN 7	0.002 ON NOV 5	89 200	1980
1981	22.2 AT 03:22 CST ON AUG 27	18.3 ON AUG 28	0.048 ON MAY 8	78 200	1981
1982	22.0 AT 01:08 CST ON JUL 25	21.0 ON JUL 24	0.035 ON OCT 4	76 300	1982
1983	4.288 AT 04:36 CST ON FEB 4	3.65 B ON JAN 27	0 ON JUN 8	19 400	1983
1984	3.22 AT 16:29 CST ON JUL 4	2.10 ON JUN 29	0.015 ON SEP 26	20 800	1984
1985	2.95 AT 10:54 CST ON JUL 4	2.15 ON APR 22	0 ON SEP 8	18 700	1985
1986	28.8 AT 05:13 CST ON JUL 22 *	28.5 ON JUL 22 *	0.0858 ON MAR 9	92 800	1986
1987	15.4 AT 05:10 CST ON SEP 11	11.0 ON OCT 8	0.092 ON JUN 24	42 200	1987
1988	17.8 AT 02:45 CST ON JUL 21	12.0 ON JUL 23	0.0178 ON NOV 28	47 300	1988
				43 100	MEAN

A - MANUAL GAUGE B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD
(SEE REFERENCE INDEX)

BUCK CREEK NEAR KELVINGTON - STATION NO. 05LA003

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1967	---	---	---	0.062	1.05	---	---	---	---	---	---	---	---	1967
1968	---	---	0.379	0.138	---	---	---	---	---	---	---	---	---	1968
1969	---	---	---	1.93	---	---	---	---	---	---	---	---	---	1969
1970	---	---	---	1.80	---	---	---	---	---	---	---	---	---	1970
1971	---	---	---	2.19	---	---	---	---	---	---	---	---	---	1971
1972	---	---	---	4.15	---	---	---	---	---	---	---	---	---	1972
1973	---	---	---	0.174	---	---	---	---	---	---	---	---	---	1973
1974	---	---	---	3.93	1.58	---	---	---	---	---	---	---	---	1974
1975	---	---	0	2.73	1.51	0.089	0.007	0	0	0	---	---	0.535	1975
1976	---	---	0	2.74	0.348	0.055	0.020	0	0	0	---	---	0.366	1976
1977	---	---	0	0.565	0.011	0.002	0	0	0	0	---	---	0.071	1977
1978	---	---	0	1.35	0.120	0.022	0.130	0.017	0.006	0.009	---	---	0.203	1978
1979	---	---	0	4.50	2.41	0.071	0	0	0	0	---	---	0.885	1979
1980	---	---	0	1.01	0.001	0	0	0	0	0	---	---	0.123	1980
1981	---	---	0.358	0.858	0.037	0	0.521	0.038	0	0.037	---	---	0.207	1981
1982	---	---	0	0.802	0.033	0.002	0.003	0	0	0	---	---	0.078	1982
1983	---	---	0	1.42	0.360	0.005	0.319	0.172	0.004	0.001	---	---	0.288	1983
1984	---	---	0.281	1.82	0.119	0.029	0	0	0	0	---	---	0.277	1984
1985	---	---	0	3.80	0.119	0.006	0	0	0	0	---	---	0.494	1985
1986	---	---	0.375	1.88	0.043	0.002	0	0	0	0	---	---	0.281	1986
1987	---	---	0	1.38	0	0	0	0	0	0	---	---	0.188	1987
1988	---	---	0	2.25	0.035	0	0	0	0	0	---	---	0.279	1988
MEAN	---	---	0.093	1.88	0.487	0.019	0.071	0.018	0.001	0.003	---	---	0.304	MEAN

LOCATION - LAT 52 08 40 N DRAINAGE AREA, 210 km^2
LONG 103 37 34 W NATURAL FLOW

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1967	---	---	---	---	1967
1968	---	---	---	---	1968
1969	---	---	---	---	1969
1970	---	---	---	---	1970
1971	---	---	---	---	1971
1972	---	---	---	---	1972
1973	---	---	---	---	1973
1974	---	---	---	---	1974
1975	---	8.33 ON APR 25	0B ON MAR 1 *	11 300	1975
1976	---	9.23 ON APR 11	0B ON MAR 1	8 220	1976
1977	---	2.70 ON APR 11	0B ON MAR 1	1 490	1977
1978	5.01 AT 11:47 CST ON APR 12	3.88 ON APR 11	0B ON MAR 1	4 300	1978
1979	18.0 AT 23:20 CST ON APR 24 *	18.2 ON APR 27 *	0B ON MAR 1	18 400	1979
1980	4.628 AT 07:30 CST ON APR 10	3.47 ON APR 13	0B ON MAR 1	2 810	1980
1981	8.17 AT 10:04 CST ON JUL 17	8.30 ON JUL 17	0B ON MAR 1	4 390	1981
1982	3.17 AT 09:28 CST ON APR 15	2.598 ON APR 15	0B ON MAR 1	1 860	1982
1983	9.28 AT 19:58 CST ON APR 21	7.15 ON APR 22	0B ON MAR 1	8 030	1983
1984	6.80 AT 10:00 CST ON APR 3	5.88 ON APR 2	0B ON MAR 1	5 850	1984
1985	13.1 AT 08:51 CST ON APR 12	11.9 ON APR 12	0B ON MAR 1	10 400	1985
1986	8.838 AT 01:10 CST ON APR 2	7.028 ON APR 1	0B ON MAR 1	5 940	1986
1987	9.66 AT 19:56 CST ON APR 5	8.28 ON APR 6	0B ON MAR 1	3 580	1987
1988	13.6 AT 20:24 CST ON APR 6	11.3 ON APR 7	0B ON MAR 1	5 810	1988
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		6 430	MEAN

EAGLE CREEK NEAR ANGLIA - STATION NO. 05GC002

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1923	---	---	---	---	---	---	---	---	0.018	0.028	---	---	---	1923
1924	---	---	0.003	0.462	0.139	0.050	0.011	0.048	0.018	0.051	---	---	0.097	1924
1925	---	---	2.38	2.38	0.105	0.143	0.060	0.018	0.025	0.038	---	---	0.639	1925
1971	---	---	0.021	9.03	4.48	1.87	0.949	0.324	0.030	0.068	---	---	3.05	1971
1972	---	---	0.521	1.57	0.487	0.068	0.041	0.018	0.021	0.048	---	---	0.344	1972
1973	---	---	0.783	0.320	0.152	0.029	0.014	0.005	0.008	0.013	---	---	0.187	1973
1974	---	---	0	8.10	1.94	0.853	0.912	0.081	0.381	0.055	---	---	1.83	1974
1975	---	---	0	8.88	2.20	0.805	0.108	0.028	0.021	0.015	---	---	1.43	1975
1976	---	---	0.895	3.70	0.198	0.128	0.083	0.010	0.012	0.018	---	---	0.585	1976
1977	---	---	0.037	0.123	0.187	0.012	0.001	0.001	0.004	0.009	---	---	0.047	1977
1978	---	---	0.278	2.73	0.258	0.030	0.006	0.002	0.006	0.011	---	---	0.408	1978
1979	---	---	0.449	1.79	0.187	0.007	0.004	0.002	0	0.006	---	---	0.288	1979
1980	---	---	0.334	0.282	0.009	0.002	0.005	0.006	0.001	0.007	---	---	0.082	1980
1981	---	0.509	0.435	0.084	0.008	0.009	0.004	0.001	0	0.001	---	---	0.068	1981
1982	---	---	0	1.10	0.085	0.108	1.03	0.510	0.023	0.027	---	---	0.374	1982
1983	---	---	1.80	1.84	0.147	0.060	1.49	0.038	0.014	0.025	---	---	0.576	1983
1984	---	---	0.875	0.188	0.034	0.010	0.001	0	0.002	0.006	---	---	0.141	1984
1985	---	---	0.138	8.25	0.278	0.018	0.003	0.002	0.002	0.015	---	---	1.07	1985
1986	---	---	0.618	0.238	0.184	0.021	0.204	0.039	0.014	0.038	---	---	0.188	1986
1987	---	---	0.583	0.510	0.037	0.014	0.014	0.003	0.001	0.008	---	---	0.143	1987
1988	---	---	0.128	0.088	0.008	0.002	0	0	0	0.002	---	---	0.028	1988
MEAN	---	0.509	0.804	2.57	0.552	0.213	0.248	0.080	0.028	0.024	---	---	0.520	MEAN

LOCATION - LAT 51 33 43 N DRAINAGE AREA, 5 730 km^2
LONG 108 10 58 W REGULATED

EAGLE CREEK NEAR ANGLIA - STATION NO. 05GC002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1923	---	---	---	---	1923
1924	---	2.44 ON APR 8	0 B ON MAR 1 *	2 050	1924
1925	---	15.8 ON MAR 31	0 ON MAR 1	13 500	1925
1971	38.3 AT 03:00 CST ON APR 11	28.8 ON APR 11	0.0188 ON MAR 1	44 200	1971
1972	4.478 AT 18:00 CST ON APR 7	3.48 B ON APR 7	0 B ON MAR 1	7 380	1972
1973	---	2.26 B ON MAR 18	0 B ON MAR 1	3 640	1973
1974	50.7 AT 23:44 CST ON APR 18 *	45.3 ON APR 20 *	0 B ON MAR 1	33 400	1974
1975	47.3 AT 19:28 CST ON APR 20	42.6 A ON APR 21	0 B ON MAR 1	30 300	1975
1976	---	15.1 B ON APR 1	0 B ON MAR 1	12 600	1976
1977	1.198 AT 07:37 CST ON APR 10	0.818 ON MAY 21	0 B ON MAR 1	991	1977
1978	19.0 B AT 12:22 CST ON APR 1	14.3 B ON APR 1	0 B ON MAR 1	8 950	1978
1979	10.1 AT 07:07 CST ON APR 20	8.85 ON APR 20	0 B ON MAR 1	8 310	1979
1980	4.048 AT 00:05 CST ON MAR 30	3.28 B ON MAR 30	0 B ON MAR 1	1 730	1980
1981	---	1.14 ON MAR 14	0 ON AUG 21	1 440	1981
1982	8.458 AT 05:18 CST ON APR 18	5.78 B ON APR 18	0 B ON MAR 1	7 810	1982
1983	16.2 B AT 16:53 CST ON MAR 30	14.8 B ON MAR 30	0 B ON MAR 4	14 300	1983
1984	2.898 AT 08:45 CST ON MAR 24	2.42 B ON MAR 24	0 ON JUL 17	3 980	1984
1985	38.1 AT 04:14 CST ON APR 4	32.3 ON APR 4	0 B ON MAR 1	22 700	1985
1986	2.318 AT 08:49 CST ON MAR 31	2.12 B ON MAR 31	0.001 ON SEP 2	3 520	1986
1987	3.718 AT 20:04 CST ON MAR 28	3.18 B ON MAR 28	0 B ON MAR 1	3 030	1987
1988	1.208 AT 20:28 CST ON MAR 28	0.9048 ON MAR 27	0 ON JUN 23	847	1988
	A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		11 000	MEAN

EAGLE CREEK NEAR ENVIRON - STATION NO. 05CC006

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1982	---	---	---	---	---	---	0.008	0.001	0.015	0.034	---	---	---	1982
1983	---	---	E.235	2.01	0.533	0.192	0.193	0.028	0.019	0.020	---	---	0.388	1983
1984	---	---	0.125	0.914	0.389	0.066	0.013	0.007	0.017	0.026	---	---	0.183	1984
1985	---	---	0	18.9	7.23	0.688	0.375	0.111	0.077	0.083	---	---	3.38	1985
1986	---	---	0.103	9.91	0.717	0.720	0.285	0.115	0.080	0.077	---	---	1.47	1986
1987	---	---	0	0.028	7.21	0.450	0.083	0.043	0.071	0.058	---	---	1.00	1987
1988	---	---	1.46	1.13	0.318	0.288	0.043	0.033	0.114	0.124	---	---	0.437	1988
1989	---	---	0.004	27.6	3.76	0.834	0.259	0.105	0.185	0.271	---	---	4.08	1989
1970	---	---	0.014	33.5	6.95	1.19	3.67	1.91	1.03	0.814	---	---	6.07	1970
1971	---	---	0.046	10.7	5.72	2.86	1.38	0.476	0.140	0.118	---	---	2.83	1971
1972	---	---	0.382	3.10	0.888	0.341	0.068	0.074	0.087	0.048	---	---	0.818	1972
1973	---	---	0.304	1.39	0.673	0.202	0.192	0.035	0.033	0.002	---	---	0.382	1973
1974	---	---	0.085	8.88	7.82	1.84	1.84	0.818	0.438	0.203	---	---	2.36	1974
1975	---	---	0.097	8.37	7.38	1.22	0.484	0.158	0.038	0.091	---	---	1.85	1975
1976	---	---	0.071	8.26	0.853	0.402	0.246	0.074	0.123	0.033	---	---	1.24	1976
1977	---	---	0.101	0.475	0.885	0.208	0.017	0.006	0.010	0.016	---	---	0.188	1977
1978	---	---	0.136	4.09	0.889	0.111	0.008	0.004	0.010	0.012	---	---	0.846	1978
1979	---	---	0.089	8.80	1.18	0.292	0.058	0.088	0.087	0.020	---	---	1.03	1979
1980	---	---	0.083	2.34	0.188	0.028	0.007	0.003	0.006	0.015	---	---	0.327	1980
1981	---	0.011	1.05	0.634	0.087	0.018	0.014	0.010	0.010	0.024	---	---	0.227	1981
1982	---	---	0.088	1.88	0.717	0.328	0.084	0.283	0.158	0.088	---	---	0.451	1982
1983	---	---	0.218	8.41	1.07	0.181	1.82	0.348	0.086	0.041	---	---	1.24	1983
1984	---	---	0.148	1.27	0.327	0.111	0.018	0.003	0.187	0.028	---	---	0.285	1984
1985	---	---	0.187	18.6	2.38	0.370	0.088	0.005	0.018	0.014	---	---	2.42	1985
1986	---	---	0.722	0.980	0.378	0.438	0.375	0.138	0.045	0.032	---	---	0.385	1986
1987	---	---	0.234	1.56	0.217	0.025	0.045	0.051	0.034	0.027	---	---	0.270	1987
1988	---	---	0.049	0.144	0.030	0.003	0.001	0.005	0.001	0.004	---	---	0.029	1988
MEAN	---	0.011	0.230	8.65	2.24	0.488	0.412	0.173	0.113	0.084	---	---	1.28	MEAN

LOCATION - LAT 52 13 50 N LONG 107 22 40 W DRAINAGE AREA, 11 900 km² REGULATED

EAGLE CREEK NEAR ENVIRON - STATION NO. 05CC006

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1982	---	---	0 ON JUL 28 *	---	1982
1983	---	5.38 B ON APR 6	0 B ON MAR 1	8 450	1983
1984	---	1.48 B ON APR 16	0 B ON MAR 1	4 090	1984
1985	82.5 B ON APR 18	77.0 B ON APR 18	0 B ON MAR 1	71 600	1985
1986	44.2 ON APR 7	37.8 ON APR 7	0 B ON MAR 1	31 200	1986
1987	---	18.5 ON MAY 7	0 B ON MAR 1	21 200	1987
1988	---	4.53 B ON MAR 15	0.018A ON JUL 18	9 270	1988
1989	134 AT 20:10 CST ON APR 18	120 ON APR 17	0 B ON MAR 1	85 900	1989
1970	148 AT 14:08 CST ON APR 15 *	136 ON APR 15 *	0.0188 ON MAR 1	128 000	1970
1971	71.4 AT 07:20 CST ON APR 16	36.8 ON APR 16	0.0288 ON MAR 1	86 800	1971
1972	---	6.80 B ON APR 9	0.0078 ON MAR 1	15 000	1972
1973	3.88 B AT 02:56 CST ON APR 2	2.83 B ON APR 2	0 ON AUG 20	2 450	1973
1974	43.8 AT 00:34 CST ON APR 28	42.8 B ON APR 27	0.012 ON SEP 30	48 900	1974
1975	42.2 AT 15:21 CST ON APR 29	41.3 ON APR 29	0.014 ON SEP 11	38 200	1975
1976	31.4 B AT 08:24 CST ON APR 8	27.0 B ON APR 8	0.014 ON AUG 22	28 200	1976
1977	1.61 AT 00:18 CST ON APR 13	1.30 ON MAY 24	0.004 ON JUL 28	4 010	1977
1978	18.1 B AT 08:50 CST ON APR 10	13.8 B ON APR 10	0.001 ON AUG 12	13 700	1978
1979	24.8 B AT 05:54 CST ON APR 23	19.7 B ON APR 23	0.001 ON AUG 27	21 800	1979
1980	8.07 B AT 07:55 CST ON APR 4	8.77 B ON APR 4	0.0018 ON MAR 1	8 920	1980
1981	3.15 B AT 13:26 CST ON MAR 21	2.14 B ON MAR 18	0.001 ON MAY 12	4 780	1981
1982	7.67 AT 18:16 CST ON APR 25	7.80 ON APR 25	0.012 ON JUL 12	8 540	1982
1983	28.2 B AT 18:56 CST ON APR 7	22.9 B ON APR 8	0.013 ON OCT 27	26 100	1983
1984	5.76 B AT 23:48 CST ON APR 3	4.88 B ON APR 4	0 ON OCT 11	5 390	1984
1985	54.8 B AT 08:56 CST ON APR 9	43.5 B ON APR 9	0.001 ON AUG 7	51 200	1985
1986	3.38 B AT 11:53 CST ON APR 8	2.24 B ON APR 8	0.018 ON SEP 11	8 140	1986
1987	8.31 B AT 15:34 CST ON APR 7	6.52 B ON APR 7	0.003 ON JUN 28	5 710	1987
1988	0.3658 AT 17:38 CST ON APR 3	0.2748 ON APR 3	0.001 ON JUN 12	818	1988
				27 300	MEAN

A - MANUAL GAUGE B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD
(SEE REFERENCE INDEX)

EAGLE CREEK NEAR KINLEY - STATION NO. 05CC003

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1921	---	---	0	9.84	1.16	0.423	0.123	0.047	0.201	0.235	---	---	---	1921
1935	---	---	---	---	---	---	---	---	---	0.077	0.008	0.003	---	1935
1936	0.003	0.004	1.48	11.5	1.13	0.222	0.023	0	0	0.005	0.003	0.001	1.18	1936
1937	0	0	E	0.775	0.223	0.037	0	0	0	0	0	0	0.088	1937
1938	0	0.002	0.775	2.08	0.300	0.047	0.014	0	0.015	0.054	0.008	0.003	0.272	1938
1939	0.003	0.003	1.12	7.16	0.315	0.482	3.16	0.089	0.025	0.024	0.001	0	1.03	1939
1940	0	0	E	1.06	0.450	0.089	0.018	0	0	0	0	0	0.135	1940
MEAN	0.001	0.002	0.558	5.40	0.598	0.213	0.557	0.024	0.040	0.068	0.004	0.001	0.541	MEAN

LOCATION - LAT 52 03 22 W LONG 107 21 30 W DRAINAGE AREA, 7 230 km² REGULATED

REMARKS - STATION LOCATED IN NE13-38-11-W3 DURING 1921

EAGLE CREEK NEAR KINLEY - STATION NO. 05GC003

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1921	---	28.3 E ON APR 17 *	0B ON MAR 1 *	---	1921
1935	---	---	---	---	1935
1936	---	27.2 ON APR 18	0 ON AUG 1	37 300	1936
1937	---	2.81 ON APR 18	0B ON JAN 1	2 710	1937
1938	---	4.22 ON APR 15	0B ON JAN 2	8 680	1938
1939	---	28.3 B ON APR 1	0B ON NOV 8	32 900	1939
1940	---	4.28 ON APR 25	0B ON JAN 1	4 270	1940
				17 100	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

EAGLE CREEK NEAR ROSETOWN - STATION NO. 05GC005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1982	---	---	0	3.03	0.013	0.248	0.284	0.085	0.024	0.031	---	---	0.555	1982
1983	---	---	1.43	0.805	0.133	0.010	0.081	0.015	0.006	0.008	---	---	0.328	1983
1984	---	---	0	0.557	0.118	0.007	0.001	0	0.035	0.045	---	---	0.088	1984
1985	---	---	0	20.2	0.728	0.244	0.125	0.003	0.028	0.027	---	---	2.82	1985
1986	---	---	2.88	4.08	0.070	0.358	0.082	0.018	0.001	0.020	---	---	0.527	1986
1987	---	---	0	4.48	3.53	0.057	0.002	0	0	0	---	---	1.00	1987
1988	---	---	1.23	0.118	0.021	0.087	0	0.008	0.015	0.053	---	---	0.184	1988
1989	---	---	0	20.5	1.01	0.090	0.088	0.018	0	0.027	---	---	2.67	1989
1990	---	---	0	22.8	2.91	2.38	4.15	1.48	0.918	0.324	---	---	4.32	1990
MEAN	---	---	0.813	8.52	0.948	0.388	0.532	0.182	0.114	0.069	---	---	1.40	MEAN

LOCATION - LAT 51 38 40 N
LONG 108 02 40 W
DRAINAGE AREA, 8 130 km^2
REGULATED

EAGLE CREEK NEAR ROSETOWN - STATION NO. 05GC005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1982	---	22.8 ON APR 8	0E ON MAR 1 *	9 550	1982
1983	---	9.20 ON MAR 29	0B ON MAR 1	8 560	1983
1984	---	2.338 ON APR 3	0B ON MAR 1	2 050	1984
1985	---	148 ON APR 14	0B ON MAR 1	55 400	1985
1986	---	32.6 ON MAR 31	0B ON MAR 1	19 700	1986
1987	---	19.9 B ON APR 28	0B ON MAR 1	21 200	1987
1988	---	4.938 ON MAR 2	0 ON JUL 7	4 120	1988
1989	---	180 ON APR 12 *	0 ON MAR 1	58 600	1989
1990	---	127 ON APR 11	0B ON MAR 1	91 400	1990
				29 700	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

EAGLE CREEK NEAR TESSIER - STATION NO. 05GC004

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1982	---	---	0	4.87	0.180	0.108	0.087	0.084	0.088	0.058	---	---	0.881	1982
MEAN	---	---	0	4.87	0.180	0.108	0.087	0.084	0.088	0.058	---	---	0.881	MEAN

LOCATION - LAT 51 52 10 N
LONG 107 36 40 W
DRAINAGE AREA, 8 870 km^2
REGULATED

EAGLE CREEK NEAR TESSIER - STATION NO. 05GC004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1982	---	53.68 ON APR 8 *	0B ON MAR 1 *	14 400	1982
				14 400	MEAN

B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

EAST FORK BATTLE CREEK NEAR INTERNATIONAL BOUNDARY - STATION NO. 11AB107

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1927	---	---	0.347	1.22	1.57	0.042	0.032	0.008	0	0	---	---	0.400	1927
1928	---	---	0.433	1.20	0.013	0.029	0.024	0.031	0	0	---	---	0.213	1928
1929	---	---	0.004	0.101	0.083	0.048	0	0	0	0	---	---	0.031	1929
1930	---	0.048	1.83	0.620	0.007	0	0	0	0	0	0	0	0.283	1930
1931	0	0	0	0	0	0.048	0.014	0	0	0	0	0	0.008	1931
1932	0	0	0.187	0.051	0	0.108	0	0	0	0	0	0	0.043	1932
1933	0	0	0.012	0	0	0	0	0	0	0	---	---	0.002	1933
1934	---	---	0.271	0.028	0	0	0	0	0	0	0	0	0.037	1934
1935	0	0	0.231	0.485	0	0	0.134	0	0	0	0	0	0.108	1935
1936	0	0	0	1.31	0.001	0	0	0	0	0	0	0	0.181	1936
1937	0	0	0.105	0.484	0	0	0	0	0	0	---	---	0.074	1937
1938	---	---	0.389	0.305	0	0	0.021	0	0	0	---	---	0.088	1938
1939	---	---	1.79	0.003	0	0.243	0.001	0	0	0	---	---	0.257	1939
1940	---	---	0	1.85	0.081	0.029	0	0	0	0	---	---	0.251	1940
1941	---	---	1.64	0.004	0	0	0	0	0	0	---	---	0.195	1941
1942	---	---	0.484	0.101	0	0.718	0.017	0	0	0	---	---	0.185	1942
1943	---	---	1.29	0.078	0	0	0	0	0	0	---	---	0.173	1943
1944	---	---	0.388	0	0	0.008	0	0	0	0	---	---	0.050	1944
1945	---	---	0.188	0	0	0	0	0	0	0	---	---	0.024	1945
1946	---	---	0.867	0	0	0	0	0	0	0	---	---	0.084	1946
1947	---	---	0.202	0.087	0	0	0	0	0	0	---	---	0.038	1947
1948	---	---	0	0	0	0	0	0	0	0	---	---	0	1948
1949	---	---	0	0	0	0	0	0	0	0	---	---	0	1949
1950	---	---	0	2.06	0.004	0	0	0	0	0	---	---	0.255	1950
1951	---	---	0	0.827	0.082	0	0	0	0	0	---	---	0.087	1951
1952	---	---	0.006	5.78	0.022	0.001	0	0	0	0	---	---	0.712	1952
1953	---	---	0.012	0	0.017	0.040	0.013	0	0	0	0	---	0.010	1953
1954	---	---	0.006	1.72	0.002	0.030	0	0.028	0.003	0.011	---	---	0.220	1954
1955	---	---	0.378	2.78	0.087	0.001	2.12	0.018	0	0	---	---	0.870	1955
1956	---	---	0.047	0.092	0.003	0	0	0	0	0	---	---	0.017	1956
1957	---	---	0.076	0.301	0	0	0.078	0	0	0	---	---	0.058	1957
1958	---	---	0.937	0.208	0	0	0	0	0	0	---	---	0.144	1958
1959	---	---	0.242	0.087	0	0.304	0.011	0	0	0	---	---	0.077	1959
1960	---	---	2.05	0.012	0.024	0	0	0	0	0	---	---	0.284	1960
1961	---	---	0.190	0	0	0	0	0	0	0	---	---	0.026	1961
1962	---	---	0.702	0.027	0	0	0.082	0	0	0	---	---	0.100	1962
1963	---	---	0.120	0	0	0	0	0	0	0	---	---	0.015	1963
1964	---	---	0	0	0	0	0	0	0	0	---	---	0	1964
1965	---	---	0	0.880	0.023	0.005	0	0	0	0	---	---	0.113	1965
1966	---	---	0.908	0.024	0	0	0	0	0	0	---	---	0.118	1966
1967	---	---	0.548	1.20	0.551	0	0	0	0	0	---	---	0.247	1967
1968	---	---	0	0	0	0	0	0	0	0	---	---	0	1968
1969	---	---	0	1.81	0.007	0	0	0	0	0	---	---	0.198	1969
1970	---	---	0	0	0	0	0	0	0	0	---	---	0	1970
1971	---	---	0	0.015	0	0	0	0	0	0	---	---	0.002	1971
1972	---	---	0.107	0	0	0	0	0	0	0	---	---	0.014	1972
1973	---	---	0	0	0	0	0	0	0	0	---	---	0	1973
1974	---	---	0.812	0.194	0.552	0.001	0	0	0	0	---	---	0.184	1974
1975	---	---	0	0.350	0.041	0	0	0.040	0	0	---	---	0.053	1975
1976	---	---	0.871	0	0	0	0	0	0	0	---	---	0.110	1976
MEAN	0	0.007	0.358	0.520	0.088	0.033	0.050	0.002	0	0	0	0	0.128	MEAN

LOCATION - LAT 48 58 00 N DRAINAGE AREA, 182 km^2 INTERNATIONAL GAUGING STATION
LONG 109 08 00 W NATURAL FLOW

EAST FORK BATTLE CREEK NEAR INTERNATIONAL BOUNDARY - STATION NO. 11AB107

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1927	16.8 AT 07:00 MST ON MAY 23	12.1 ON MAY 23	0 ON MAR 1 *	8 470	1927
1928	12.2 AT 23:30 MST ON APR 1	8.10 ON APR 1	0B ON MAR 1	4 520	1928
1929	2.24 AT 08:00 MST ON APR 15	1.34 ON APR 15	0B ON MAR 1	849	1929
1930	8.33 B AT 23:00 MST ON MAR 29	6.77 B ON MAR 29	0B ON MAR 8	6 000	1930
1931	---	1.47 ON JUN 30	0 ON MAR 1	184	1931
1932	---	2.66 A ON MAR 25	0A ON MAR 1	914	1932
1933	0.0938 AT 20:00 MST ON MAR 16	0.0858 ON MAR 16	0 ON MAR 1	32.4	1933
1934	---	0.7088 ON MAR 1	0B ON MAR 27	781	1934
1935	8.81 AT 22:00 MST ON APR 12	4.84 ON APR 12	0 ON MAR 1	2 240	1935
1936	---	14.4 ON APR 12	0 ON MAR 1	3 400	1936
1937	8.09 AT 03:30 MST ON APR 9	3.96 ON APR 9	0 ON MAR 1	1 880	1937
1938	8.81 AT 20:20 MST ON MAR 24	2.83 ON MAR 25	0 ON MAR 1	1 890	1938
1939	40.2 AT 23:00 MST ON MAR 21	18.3 ON MAR 22	0 ON MAR 1	5 430	1939
1940	21.3 AT 22:00 MST ON APR 20	15.8 ON APR 20	0 ON MAR 1	5 310	1940
1941	28.8 B AT 14:00 MST ON MAR 22	14.8 B ON MAR 22	0B ON MAR 1	4 120	1941
1942	13.6 AT 23:30 MST ON JUN 28	5.21 ON JUN 29	0 ON MAR 1	3 490	1942
1943	30.3 ON MAR 26	16.5 ON MAR 29	0 ON MAR 1	3 880	1943
1944	7.70 AT 13:00 MST ON MAR 16	3.98 ON MAR 16	0 ON MAR 1	1 040	1944
1945	3.00 AT 09:30 ON MAR 16	1.87 ON MAR 16	0 ON MAR 1	488	1945
1946	8.10 AT 12:15 MST ON MAR 12	5.07 ON MAR 11	0 ON MAR 1	1 780	1946
1947	2.38 B AT 01:00 MST ON MAR 27	1.50 ON MAR 28	0 ON MAR 1	787	1947
1948	---	0 ON MAR 1	0 ON MAR 1	0	1948
1949	---	0 ON MAR 1	0 ON MAR 1	0	1949
1950	30.9 AT 21:00 MST ON APR 13	13.7 ON APR 13	0 ON MAR 1	5 400	1950
1951	8.46 B AT 19:30 MST ON APR 8	3.26 B ON APR 8	0 ON MAR 1	1 880	1951
1952	62.3 * AT 01:00 MST ON APR 7	39.1 ON APR 8 *	0B ON MAR 1	15 100	1952
1953	1.11 E ON JUN 3	0.866E ON JUN 3	0 ON MAR 1	215	1953
1954	40.8 B AT 02:15 MST ON APR 8	29.7 B ON APR 8	0B ON MAR 1	4 880	1954
1955	88.1 AT 22:30 MST ON JUL 12 *	18.3 ON JUL 12	0B ON MAR 1	14 200	1955
1956	1.42 B AT 08:30 MST ON MAR 27	0.5109 ON MAR 27	0B ON MAR 1	370	1956
1957	6.57 AT 11:00 MST ON JUL 22	4.87 B ON APR 1	0B ON MAR 1	1 180	1957
1958	21.5 AT 03:45 MST ON MAR 31	10.8 ON MAR 31	0 ON MAR 1	3 080	1958
1959	30.0 ON JUN 27	5.21 ON JUN 27	0 ON MAR 1	1 840	1959
1960	25.5 AT 03:30 MST ON MAR 21	13.1 ON MAR 21	0 ON MAR 1	5 580	1960
1961	5.84 AT 04:00 MST ON MAR 16	3.06 ON MAR 16	0 ON MAR 1	806	1961
1962	11.6 AT 13:45 MST ON MAR 27	6.57 ON MAR 26	0 ON MAR 1	2 110	1962
1963	---	0.785A ON MAR 3	0 ON MAR 17	322	1963
1964	---	0 ON MAR 1	0 ON MAR 1	0	1964
1965	11.5 AT 21:15 MST ON APR 13	7.15 ON APR 14	0 ON MAR 1	2 390	1965
1966	4.79 B AT 16:15 MST ON MAR 16	3.26 ON MAR 17	0B ON MAR 1	2 490	1966
1967	10.1 AT 05:00 MST ON APR 4	7.70 ON APR 4	0 ON MAR 1	6 080	1967
1968	---	0 ON MAR 1	0 ON MAR 1	0	1968
1969	26.1 AT 00:30 MST ON APR 6	17.5 ON APR 6	0 ON MAR 1	4 200	1969
1970	---	0 ON MAR 1	0 ON MAR 1	0	1970
1971	0.868 AT 22:30 CST ON APR 10	0.195 ON APR 11	0 ON MAR 1	38.4	1971
1972	3.06 AT 01:30 MST ON MAR 18	1.59 ON MAR 18	0 ON MAR 1	287	1972
1973	0 AT 00:00 CST ON MAR 1	0 ON MAR 1	0 ON MAR 1	0	1973
1974	18.6 AT 11:00 CST ON MAY 21	13.5 ON MAY 21	0B ON MAR 1	3 900	1974
1975	3.34 AT 13:00 CST ON APR 20	2.18 ON APR 20	0 ON MAR 1	1 120	1975
1976	28.3 AT 04:00 CST ON MAR 18	13.4 ON MAR 18	0 ON MAR 1	2 330	1976
				2 710	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

EAST POPLAR RIVER ABOVE COOKSON RESERVOIR - STATION NO. 11AE014

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1978	---	---	0.980R	1.88 R	0.182R	0 R	0 R	0 R	0 R	0 R	---	---	0.385R	1978
1980	---	---	0.252	0.018	0	0	0	0	0	0	---	---	0.034	1980
1981	---	---	0.092	0	0	0	0	0	0	0	---	---	0	1981
1982	---	---	3	3.78	0.413	0.087	0.013	0	0	0	---	---	0.835	1982
1983	---	0.288	0.618	0.142	0.032	0.001	0	0	0	0	---	---	0.088	1983
1984	---	0.089	0.280	0.021	0	0	0	0	0	0	---	---	0.038	1984
1985	---	0.144	0.348	0.018	0	0	0	0.003	0.001	0.001	---	---	0.048	1985
1986	---	0.678	0.253	0.072	0.020	0	0.012	0	0	0.001	---	---	0.045	1986
1987	---	0.117	0.155	0.182	0	0	0	0	0	0	---	---	0.042	1987
1988	---	---	0	0	0	0	0	0	0	0	---	---	0	1988
MEAN	---	0.356	0.288R	0.622R	0.062R	0.007R	0.003R	0 R	0 R	0 R	---	---	0.121R	MEAN

LOCATION - LAT 49 13 51 N, LONG 105 32 38 W
DRAINAGE AREA, 143 km^2
NATURAL FLOW

R - REVISED SINCE JAN 01 1987

EAST POPLAR RIVER ABOVE COOKSON RESERVOIR - STATION NO. 11AE014

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1979	19.4 AT 04:08 CST ON APR 17	13.8 R ON APR 17	ORB ON MAR 1 *	5 150 R	1979
1980	2.30 AT 04:21 CST ON MAR 29	1.38 ON MAR 29	OB ON MAR 1	718	1980
1981	---	0.0188 ON MAR 1	0 ON MAR 12	5.70	1981
1982	42.7 AT 22:54 CST ON APR 14 *	30.0 ON APR 14 *	OB ON MAR 1	11 100	1982
1983	8.81 AT 04:26 CST ON MAR 29	4.22 ON MAR 29	0 ON JUN 3	2 090	1983
1984	5.038 AT 04:27 CST ON MAR 21	2.48 B ON MAR 21	OB ON MAR 7	753	1984
1985	---	1.10 B ON MAR 11	0 ON APR 17	884	1985
1986	---	1.41 ON MAR 1	0 ON JUN 1	856	1986
1987	8.20 AT 01:35 CST ON APR 1	3.37 ON APR 1	OB ON MAR 1	887	1987
1988	---	0 B ON MAR 1	OB ON MAR 1	0	1988
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD R - REVISED SINCE JAN 01 1987		2 590 R	MEAN

EAST POPLAR RIVER AT INTERNATIONAL BOUNDARY - STATION NO. 11AE003

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1931	---	---	0.180	0.242	0.118	0.089	0.057	0.048	0.121	0.130	---	---	---	1931
1932	---	---	1.05	0.475	0.141	0.091	0.078	1.28	0.128	0.144	---	---	---	1932
1933	---	---	0.776	0.387	0.401	0.480	0.234	0.085	0.078	0.057	---	---	---	1933
1934	---	---	0.430	0.317	0.110	0.093	0.030	0.028	0.072	0.088	---	---	---	1934
1935	---	---	1.40	0.204	0.148	0.317	0.173	0.082	0.052	0.042	0.028	0.014	---	1935
1936	0.014	0.014	0.237	1.21	0.228	0.087	0.062	0.088	0.088	0.085	0.042	0.028	0.178	1936
1937	0.028	0.028	0.089	0.273	0.227	0.122	0.155	0.082	0.083	0.105	---	---	---	1937
1938	---	---	3.91	0.275	0.248	0.154	0.158	0.088	0.078	0.087	---	---	---	1938
1939	---	---	5.28	0.186	0.185	0.830	0.078	0.030	0.084	0.084	---	---	---	1939
1940	---	---	0.128	1.76	0.245	0.173	0.128	0.348	0.104	0.134	---	---	---	1940
1941	---	---	2.99	0.308	0.187	0.289	0.181	0.097	0.107	0.124	---	---	---	1941
1942	---	---	2.52	1.13	0.180	0.152	0.190	0.121	0.337	0.214	---	---	---	1942
1943	---	---	5.74	1.85	0.182	0.295	0.170	0.075	0.085	0.124	---	---	---	1943
1944	---	---	---	0.388	0.183	0.218	0.125	0.187	0.076	0.095	---	---	---	1944
1945	---	---	1.19	0.283	0.191	0.181	0.089	0.113	0.145	0.085	---	---	---	1945
1946	---	---	3.82	0.255	0.141	0.141	0.180	0.084	0.047	0.104	---	---	---	1946
1947	---	---	2.51	4.83	0.244	0.428	0.138	0.137	0.132	0.148	---	---	---	1947
1948	---	---	0.223	4.60	0.550	0.148	0.118	0.087	0.078	0.078	---	---	---	1948
1949	---	---	1.72	1.12	0.188	0.115	0.057	0.084	0.087	0.088	---	---	---	1949
1950	---	---	0.057	5.82	0.319	0.221	0.129	0.132	0.121	0.128	---	---	---	1950
1951	---	---	0.088	2.73	0.747	0.157	0.118	0.110	0.178	0.152	---	---	---	1951
1952	---	---	0.073	12.9	0.814	0.132	0.152	0.108	0.118	0.145	---	---	---	1952
1953	---	---	0.556	0.434	0.358	0.378	0.873	0.113	0.128	0.158	---	---	---	1953
1954	---	---	0.892	5.84	1.35	0.311	0.143	0.232	0.334	0.198	0.178	---	---	1954
1955	---	---	2.21	5.82	4.44	0.185	0.154	0.088	0.105	0.132	---	---	---	1955
1956	---	---	1.02	0.789	0.284	0.151	0.086	0.038	0.092	0.108	---	---	---	1956
1957	---	---	0.322	0.381	0.177	0.137	0.098	0.083	0.127	0.203	---	---	---	1957
1958	---	---	2.38	0.808	0.158	0.136	0.118	0.074	0.110	0.121	---	---	---	1958
1959	---	---	0.343	0.235	0.188	0.118	0.093	0.084	0.094	0.144	---	---	---	1959
1960	---	---	5.80	0.281	0.173	0.188	0.181	0.108	0.108	0.117	---	---	---	1960
1961	---	---	0.805	0.183	0.212	0.124	0.078	0.080	0.108	0.098	---	---	---	1961
1962	---	---	3.10	0.822	0.205	0.438	0.328	0.088	0.105	0.139	---	---	---	1962
1963	---	0.857	3.41	0.351	0.345	0.390	0.231	0.118	0.134	0.108	---	---	---	1963
1964	---	---	0.135	1.38	0.183	0.188	0.101	0.070	0.100	0.113	---	---	---	1964
1965	---	---	0.018	2.62	0.552	0.314	0.232	0.081	0.148	0.171	---	---	---	1965
1966	---	---	1.86	0.208	0.237	0.144	0.101	0.083	0.110	0.270	---	---	---	1966
1967	---	---	2.72	5.32	0.407	0.148	0.083	0.086	0.125	0.148	---	---	---	1967
1968	---	---	3.17	0.257	0.144	0.141	0.184	0.150	0.175	0.128	---	---	---	1968
1969	---	---	0.028	8.47	0.298	0.127	0.155	0.118	0.088	0.135	---	---	---	1969
1970	---	---	1.12	3.38	1.42	0.200	0.172	0.087	0.109	0.120	---	---	---	1970
1971	---	---	1.02	3.88	0.193	0.155	0.081	0.078	0.110	0.126	---	---	---	1971
1972	---	---	5.07	0.389	0.488	0.303	0.155	0.131	0.148	0.153	---	---	---	1972
1973	---	---	0.218	0.284	0.248	0.183	0.113	0.088	0.084	0.108	---	---	---	1973
1974	---	---	3.82	5.14	0.295	0.247	0.108	0.088	0.120	0.136	---	---	---	1974
1975	0.084	0.081	0.281	12.1	1.78	1.19	1.29	0.258	0.122	0.022	0.017	0.018	1.43	1975
1976	0.042	0.150	4.06	5.73	0.812	2.86	3.08	0.408	0.087	0.078	0.050	0.048	1.46	1976
1977	0.048	0.085	0.074	0.067	0.484	0.393	0.051	0.058	0.057	0.059	0.062	0.061	0.122	1977
1978	0.047	0.045	0.101	0.077	0.084	0.105	0.078	0.058	0.068	0.087	0.087	0.081	0.071	1978
1979	0.080	0.087	1.88	3.88	1.15	0.858	0.181	0.093	0.118	0.131	0.125	0.124	0.898	1979
1980	0.125	0.115	0.132	0.205	0.372	0.077	0.075	0.079	0.078	0.080	0.085	0.078	0.124	1980
1981	0.078	0.088	0.082	0.129	0.218	0.174	0.084	0.088	0.085	0.078	0.077	0.074	0.100	1981
1982	0.038	0.038	0.265	5.86	0.988	0.588	0.124	0.081	0.082	0.091	0.086	0.086	0.918	1982
1983	0.088	0.082	0.828	0.571	0.358	0.098	0.081	0.073	0.078	0.085	0.082	0.078	0.210	1983
1984	0.084	0.088	0.088	0.129	0.115	0.103	0.071	0.073	0.087	0.090	0.081	0.074	0.092	1984
1985	0.078	0.072	0.085	0.105	0.227	0.080	0.089	0.078	0.083	0.088	0.077	0.078	0.095	1985
1986	0.082	0.157	2.28	0.191	0.295	0.100	0.087	0.072	0.082	0.080	0.078	0.074	0.300	1986
1987	0.073	0.082	0.088	0.313	0.338	0.073	0.077	0.071	0.088	0.078	0.078	0.073	0.117	1987
1988	0.070	0.077	0.101	0.078	0.188	0.070	0.083	0.059	0.082	0.088	0.070	0.087	0.081	1988
MEAN	0.065	0.108	1.83	2.28	0.427	0.262	0.204	0.121	0.107	0.115	0.075	0.084	0.389	MEAN

LOCATION - LAT 48 59 56 N LONG 105 24 32 W DRAINAGE AREA, 1 400 km^2 REGULATED SINCE 1975 INTERNATIONAL GAUGING STATION

EAST POPLAR RIVER AT INTERNATIONAL BOUNDARY - STATION NO. 11AE003

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1931	1.04 AT 01:00 MST ON SEP 30	---	---	---	1931
1932	57.5 AT 01:00 MST ON AUG 13	22.0 ON AUG 13	0.059 ON JUN 22	---	1932
1933	---	---	---	---	1933
1934	---	0.8508 ON MAR 23	---	---	1934
1935	---	9.81 B ON MAR 18	---	---	1935
1936	---	4.81 B ON APR 11	0 B ON MAR 1 *	5 580	1936
1937	0.748 AT 20:00 MST ON JUL 15	0.5418 ON APR 14	---	---	1937
1938	26.8 B AT 15:30 MST ON MAR 15	25.5 B ON MAR 15	---	---	1938
1939	78.2 AT 13:00 MST ON MAR 22	68.0 ON MAR 22	0 ON MAR 1	---	1939
1940	27.0 AT 18:00 MST ON APR 15	21.2 B ON APR 15	---	---	1940
1941	21.3 B AT 12:30 MST ON MAR 27	13.8 B ON MAR 27	---	---	1941
1942	15.0 AT 04:30 MST ON APR 2	11.2 ON APR 2	---	---	1942
1943	58.0 AT 17:00 MST ON MAR 29	54.1 ON MAR 29	---	---	1943
1944	---	1.13 B ON APR 8	---	---	1944
1945	---	5.10 B ON MAR 13	---	---	1945
1946	14.8 B AT 08:00 MST ON MAR 14	12.5 B ON MAR 14	0 B ON MAR 1	---	1946
1947	28.1 AT 08:30 MST ON APR 11	24.0 ON APR 11	0 B ON MAR 1	---	1947
1948	85.4 B AT 17:00 MST ON APR 18	66.8 ON APR 17	---	---	1948
1949	---	10.2 B ON MAR 27	---	---	1949
1950	50.7 B ON APR 14	48.3 B ON APR 15	---	---	1950
1951	18.8 B AT 08:00 MST ON APR 30	12.9 B ON APR 30	---	---	1951
1952	53.5 B AT 04:00 MST ON APR 7	46.4 B ON APR 7	---	---	1952
1953	7.08 B AT 02:30 MST ON MAR 30	4.87 B ON MAR 29	---	---	1953
1954	84.3 B AT 11:30 MST ON APR 8	58.5 B ON APR 8	---	---	1954
1955	48.7 B AT 10:00 MST ON APR 1	43.0 B ON APR 1	---	---	1955
1956	7.86 B AT 19:00 MST ON MAR 25	5.24 B ON MAR 25	0 ON FEB 28	---	1956
1957	---	1.27 B ON MAR 23	---	---	1957
1958	---	17.8 B ON MAR 28	---	---	1958
1959	---	1.36 B ON MAR 18	---	---	1959
1960	53.6 B AT 04:00 MST ON MAR 21	48.1 B ON MAR 21	---	---	1960
1961	9.09 AT 17:00 MST ON MAY 30	6.14 B ON MAR 18	---	---	1961
1962	20.7 B AT 11:00 MST ON MAR 27	19.0 B ON MAR 27	---	---	1962
1963	20.4 B AT 05:00 MST ON MAR 23	16.7 B ON MAR 22	---	---	1963
1964	20.1 B AT 14:00 MST ON APR 1	14.7 B ON APR 1	---	---	1964
1965	---	22.7 B ON APR 13	0 B ON MAR 1	---	1965
1966	15.0 B AT 18:00 MST ON MAR 12	11.0 B ON MAR 12	0 B ON MAR 1	---	1966
1967	46.3 B AT 03:00 MST ON APR 9	38.4 E ON APR 9	0 B ON MAR 11	---	1967
1968	---	13.7 B ON MAR 8	---	---	1968
1969	88.3 AT 00:15 MST ON APR 8	58.9 ON APR 8	---	---	1969
1970	35.6 B AT 17:30 MST ON APR 8	34.0 B ON APR 8	---	---	1970
1971	24.1 B AT 16:30 CST ON APR 1	20.4 B ON APR 1	---	---	1971
1972	48.1 B AT 05:30 MST ON MAR 18	44.7 B ON MAR 18	---	---	1972
1973	0.425 AT 21:45 CST ON APR 20	0.388 ON APR 21	---	---	1973
1974	35.4 B AT 13:00 CST ON MAR 30	33.1 B ON MAR 30	---	---	1974
1975	114 AT 08:30 CST ON APR 23 *	84.8 ON APR 23 *	0.0098 ON DEC 19	45 000	1975
1976	---	23.4 B ON MAR 24	0.015 ON JAN 8	45 800	1976
1977	2.04 AT 19:00 CST ON MAY 27	1.84 ON MAY 27	0.037E ON JAN 10	3 870	1977
1978	---	0.198E ON JUL 4	0.023E ON JUL 19	2 250	1978
1979	10.1 B AT 19:30 CST ON MAR 23	7.65 ON APR 24	0.051E ON JAN 1	21 800	1979
1980	0.738 AT 08:45 CST ON APR 16	0.680 ON MAY 16	0.085 ON JUL 12	3 930	1980
1981	0.425 AT 15:15 CST ON APR 28	0.340 ON APR 29	0.0878 ON DEC 31	3 150	1981
1982	89.2 AT 13:00 CST ON APR 15	83.0 ON APR 15	0.0238 ON JAN 16	29 000	1982
1983	2.73 B AT 00:00 CST ON MAR 15	2.68 B ON MAR 15	0.085 ON AUG 11	6 820	1983
1984	0.281 AT 03:15 CST ON JUN 15	0.198 ON JUN 15	0.085 ON JUL 27	2 900	1984
1985	0.425 AT 14:30 CST ON MAY 30	0.388A ON MAY 13	0.081 ON FEB 12	2 880	1985
1986	8.90 B AT 02:30 CST ON MAR 2	8.64 ON MAR 4	0.0878 ON FEB 20	8 460	1986
1987	0.906 AT 15:00 CST ON APR 19	0.851 ON APR 19	0.089 ON JUN 15	3 700	1987
1988	0.241 AT 06:30 CST ON MAY 7	0.215 ON MAY 2	0.0488 ON FEB 10	2 590	1988
				12 600	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

EAST POPLAR RIVER AT MORRISON DAM - STATION NO. 11AE011

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1978	---	---	---	---	---	0.835	1.38	0.302	0.207	0.001	---	---	---	1978
MEAN	---	---	---	---	---	0.835	1.38	0.302	0.207	0.001	---	---	---	MEAN

LOCATION - LAT 48 01 42 N
LONG 105 25 54 W
REGULATED SINCE 1978

EAST POPLAR RIVER AT MORRISON DAM - STATION NO. 11AE011

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1978	---	---	0 ON SEP 25 *	---	1978
				---	MEAN

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

EASTEND CANAL - STATION NO. 11AC052

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1937	---	---	0	0.187	0.317	0.190	0.148	0.089	0.012	0	---	---	0.115	1937
1938	---	---	0	0.080	0.039	0.190	0.053	0	0	0	---	---	0.042	1938
1939	---	---	0	0.185	0.178	0	0.365	0.355	0.011	0.087	---	---	0.148	1939
1940	---	---	0	0	0.106	0.349	0.843	0.185	0.008	0	---	---	0.188	1940
1941	---	---	0	0	0.256	0.589	0.714	0.188	0.002	0	---	---	0.214	1941
1942	---	---	0	0	0.374	0.688	0.867	0.535	0.215	0.087	---	---	0.310	1942
1943	---	---	0	0	0.083	0.775	0.758	0.740	0.300	0.223	---	---	0.381	1943
1944	---	---	0	0	0.203	0.629	0.714	0.458	0.089	0.005	---	---	0.284	1944
1945	---	---	0	0	0.234	0.820	0.810	0.484	0.031	0.004	---	---	0.274	1945
1946	---	---	0	0.009	0.801	0.667	0.738	0.305	0	0	---	---	0.280	1946
1947	---	---	0	0	0.488	0.381	0.901	0.358	0	0	---	---	0.289	1947
1948	---	---	0	0	0.233	0.788	0.774	0.388	0.017	0	---	---	0.276	1948
1949	---	---	0	0.084	1.11	0.868	0.380	0.259	0	0	---	---	0.382	1949
1950	---	---	0	0	0.118	0.808	0.883	0.213	0.043	0.024	---	---	0.212	1950
1951	---	---	0	0	0.005	0.452	0.815	0.385	0.004	0	---	---	0.184	1951
1953	---	---	0	0	0	0	0.474	0.208	0.010	0	---	---	0.087	1953
1954	---	---	0	0	0	0.228	0.754	0.083	0	0	---	---	0.134	1954
1955	---	---	0	0	0	0.889	0.007	0.147	0.032	0	---	---	0.105	1955
1956	---	---	0	0	0.248	0.887	0.302	0.489	0.081	0	---	---	0.280	1956
1957	---	---	0	0	0.808	0.781	0.338	0.404	0	0	---	---	0.277	1957
1958	---	---	0	0.035	0.434	1.07	0.828	0.588	0	0	---	---	0.331	1958
1959	---	---	0	0.089	0.823	1.08	0.174	0.888	0.117	0	---	---	0.387	1959
1960	---	---	0	0.058	0.318	1.03	0.832	0.485	0	0	---	---	0.383	1960
1961	---	---	0	0.187	0.781	0.855	0.867	0.158	0	0	---	---	0.348	1961
1962	---	---	0	0.382	0.788	0.300	0.184	0.452	0.002	0	---	---	0.288	1962
1963	---	---	0	0.215	0.805	0.203	0.330	0.748	0.011	0	---	---	0.285	1963
1964	---	---	0	0.002	0.113	0.880	0.848	0.142	0	0	---	---	0.209	1964
1965	---	---	0	0.001	0.388	0.858	0.001	0	0	0	---	---	0.182	1965
1966	---	---	0	0.001	0.183	1.17	0.282	0.493	0	0	---	---	0.258	1966
1967	---	---	0	0	0	1.18	1.05	0.490	0	0	---	---	0.340	1967
1968	---	---	0	0	1.03	0.747	1.00	0.538	0	0	---	---	0.418	1968
1969	---	---	0	0.001	0.388	1.08	0.001	0.784	0.011	0	---	---	0.272	1969
1970	---	---	0	0	0.887	0.894	0.488	0.218	0	0	---	---	0.250	1970
1971	---	---	0	0	0.575	0.815	0.848	0.542	0.001	0	---	---	0.323	1971
1972	---	---	0	0	1.08	0.188	0.868	0.387	0	0	---	---	0.315	1972
1973	---	---	0	0	0.887	0.401	0.848	0.318	0	0	---	---	0.288	1973
1974	---	---	0	0	0.001	0.877	0.587	0.313	0	0	---	---	0.219	1974
1975	---	---	0	0	0	0.785	0.418	0.424	0.002	0	---	---	0.201	1975
1976	---	---	0	0	1.10	0.214	0.394	0.521	0.004	0	---	---	0.281	1976
1977	---	---	0	0	1.32	0.005	1.19	0.001	0	0	---	---	0.318	1977
1978	---	---	0	0	0.458	0.333	0.844	0.284	0	0	---	---	0.203	1978
1979	---	---	0	0	0.175	1.14	0.474	0.808	0	0	---	---	0.299	1979
1980	---	---	0	0	1.11	0.433	0.888	0.388	0	0	---	---	0.383	1980
1981	---	---	0	0	1.28	0	0.893	0.408	0	0	---	---	0.289	1981
1982	---	---	0	0	0.153	0	0.148	0.767	0	0	---	---	0.138	1982
1983	---	---	0	0	0.872	0.338	0.483	0.440	0	0	---	---	0.243	1983
1984	---	---	0	0.184	0.784	0	0.438	0	0	0	---	---	0.171	1984
1985	---	---	0	0	1.28	0.247	0	0	0	0	---	---	0.182	1985
1986	---	---	0	0.118	0.281	1.22	0.744	0	0	0	---	---	0.284	1986
1987	---	---	0	0	1.02	0	0.893	0	0	0	---	---	0.218	1987
1988	---	---	0	0	1.18	0	0	0	0	0	---	---	0.180	1988
MEAN	---	---	0	0.038	0.487	0.583	0.533	0.347	0.020	0.008	---	---	0.248	MEAN

LOCATION - LAT 49 30 21 N
LONG 108 51 00 W

REGULATED SINCE 1937

INTERNATIONAL GAUGING STATION

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1937	---	0.887 ON MAY 2	0 ON MAR 1 *	2 440	1937
1938	---	0.309 ON JUN 18	0 ON MAR 1	881	1938
1939	---	0.841 ON AUG 3	0 ON MAR 1	3 150	1939
1940	---	0.889 ON JUL 5	0 ON MAR 1	3 370	1940
1941	---	0.848 ON JUN 27	0 ON MAR 1	4 530	1941
1942	---	0.900 ON JUL 15	0 ON MAR 1	5 580	1942
1943	---	1.05 ON JUN 18	0 ON MAR 1	7 840	1943
1944	---	0.878 ON JUL 22	0 ON MAR 1	5 530	1944
1945	---	1.02 ON JUL 5	0 ON MAR 1	5 800	1945
1946	---	1.02 ON JUN 5	0 ON MAR 1	8 130	1946
1947	---	1.06 ON JUL 11	0 ON MAR 1	5 880	1947
1948	---	0.986 ON JUN 26	0 ON MAR 1	5 840	1948
1949	---	1.76 ON MAY 11	0 ON MAR 1	7 440	1949
1950	---	1.26 ON JUL 26	0 ON MAR 1	4 490	1950
1951	---	1.17 ON AUG 1	0 ON MAR 1	3 900	1951
1953	---	0.840E ON JUL 14	0 ON MAR 1	1 850	1953
1954	---	1.07 ON JUL 21	0 ON MAR 1	2 840	1954
1955	---	1.25 ON JUN 17	0 ON MAR 1	2 230	1955
1956	---	1.38 ON JUN 16	0 ON MAR 1	5 490	1956
1957	---	1.37 ON MAY 30	0 ON MAR 1	5 870	1957
1958	---	1.42 ON MAY 27	0B ON MAR 1	7 010	1958
1959	---	1.44 ON JUN 4	0 ON MAR 1	7 770	1959
1960	---	1.53 ON JUN 8	0 ON MAR 1	7 480	1960
1961	---	1.47 ON JUL 14	0 ON MAR 1	7 380	1961
1962	---	1.09 ON JUN 1	0 ON MAR 1	5 470	1962
1963	---	1.20 ON MAY 29	0 ON MAR 1	5 810	1963
1964	---	1.34 ON JUN 2	0 ON MAR 1	4 430	1964
1965	---	1.33 ON JUN 12	0 ON MAR 1	3 210	1965
1966	---	1.43 ON JUN 5	0 ON MAR 1	8 490	1966
1967	---	1.73 ON JUN 15	0 ON MAR 1	7 190	1967
1968	---	2.01 ON JUL 24	0 ON MAR 1	8 820	1968
1969	---	1.87 ON MAY 30	0 ON MAR 1	5 770	1969
1970	---	1.70 ON MAY 25	0B ON MAR 1	5 310	1970
1971	---	2.02 ON MAY 30	0 ON MAR 1	8 840	1971
1972	---	1.93 ON MAY 25	0 ON MAR 1	5 870	1972
1973	---	2.18 ON MAY 19	0 ON MAR 1	8 300	1973
1974	---	1.85 ON JUN 27	0 ON MAR 1	4 630	1974
1975	---	2.30 ON JUN 13	0 ON MAR 1	4 240	1975
1976	---	2.36 E ON MAY 16	0 ON MAR 1	5 980	1976
1977	---	2.07 ON MAY 14	0 ON MAR 1	8 730	1977
1978	---	1.86 ON MAY 27	0 ON MAR 1	4 310	1978
1979	---	1.89 ON JUL 25	0 ON MAR 1	8 320	1979
1980	---	2.01 ON MAY 25	0 ON MAR 1	7 470	1980
1981	---	2.19 ON MAY 7	0 ON MAR 1	8 330	1981
1982	---	1.37 ON AUG 5	0 ON MAR 1	2 860	1982
1983	---	2.01 ON MAY 28	0 ON MAR 1	5 140	1983
1984	---	2.18 ON MAY 9	0 ON MAR 1	3 820	1984
1985	---	2.41 ON MAY 23	0 ON MAR 1	4 070	1985
1986	---	2.44 ON JUN 4 *	0 ON MAR 1	5 230	1986
1987	---	2.09 ON MAY 22	0 ON MAR 1	4 590	1987
1988	---	2.11 ON MAY 11	0 ON MAR 1	3 170	1988
				5 280	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

ECHO CREEK AT FORT QU'APPELLE - STATION NO. 05JK008

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1984	---	---	0.102	0.008	0	0	0	0	0	0	---	---	0.014	1984
1985	---	---	0.850	1.85	0.088	0	0	0	0	0	---	---	0.320	1985
1986	---	---	0.840	0.168	0.383	0	0	0	0	0	---	---	0.180	1986
1987	---	---	0.061	0.002	0	0	0	0	0	0	---	---	0.009	1987
1988	---	---	0	0	0	0	0	0	0	0	---	---	0	1988
MEAN	---	---	0.291	0.408	0.090	0	0	0	0	0	---	---	0.088	MEAN

LOCATION - LAT 50 45 38 N
LONG 103 47 50 W NATURAL FLOW

ECHO CREEK AT FORT QU'APPELLE - STATION NO. 05JK008

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1984	---	0.780E ON MAR 27	0 ON MAR 1 *	289	1984
1985	8.62 AT 22:50 CST ON APR 1 *	7.04 ON APR 2 *	0B ON MAR 1	8 770	1985
1986	8.588 AT 07:58 CST ON MAR 3	4.64 B ON MAR 3	0 ON APR 1	3 180	1986
1987	1.038 AT 16:07 CST ON MAR 28	0.499B ON MAR 28	0B ON MAR 1	189	1987
1988	---	0 ON MAR 1	0 ON MAR 1	0	1988
				2 030	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

EKAPO CREEK NEAR BROADVIEW - STATION NO. 05JM009

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1955	---	---	---	---	---	1.35	0.405	0.032	---	---	---	---	---	1955
1956	---	---	---	---	1.18	0.230	0.160	---	---	---	---	---	---	1956
MEAN	---	---	---	---	1.18	0.790	0.283	0.032	---	---	---	---	---	MEAN

LOCATION - LAT 50 23 17 N, LONG 102 38 40 W DRAINAGE AREA, 308 km² NATURAL FLOW

DATA CONTRIBUTED BY - PRAIRIE FARM REHABILITATION ADMINISTRATION

EKAPO CREEK NEAR MARIEVAL - STATION NO. 05JM010

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1958	---	---	---	---	4.38	0.359	---	---	---	---	---	---	---	1958
1959	---	---	0	6.08	0.171	0.055	0.005	0	0	0	---	---	0.528	1959
1970	---	---	0	2.52	1.74	0.257	0.005	0	0	0	---	---	0.584	1970
1971	---	---	0	2.55	0.068	0	0	0	0	0	---	---	0.323	1971
1972	---	---	1.27	1.07	0.185	0.007	0	0	0	0	---	---	0.318	1972
1973	---	---	0.020	0.005	0.007	0.021	0.001	0.001	0.004	0	---	---	0.007	1973
1974	---	---	0	5.18	1.67	0.178	0.009	0.087	0.003	0.013	---	---	0.881	1974
1975	---	---	0	7.98	4.32	0.133	0.045	0.003	0.001	0.001	---	---	1.55	1975
1976	---	---	0.004	11.7	0.819	0.044	0.003	0.001	0.001	0	---	---	1.54	1976
1977	---	---	0.002	0.010	0.011	0	0	0	0	0	---	---	0.003	1977
1978	---	---	0.031	0.928	0.130	0.003	0.002	0.001	0.001	0.001	---	---	0.135	1978
1979	---	---	0	5.87	2.80	0.125	0.001	0.001	0	0	---	---	1.10	1979
1980	---	---	0	0.645	0.008	0.001	0.001	0.001	0.001	0.001	---	---	0.105	1980
1981	---	0.020	0.011	0.001	0.001	0.001	0.001	0.001	0	0	---	---	0.002	1981
1982	---	---	0.028	1.81	0.038	0.003	0.021	0.002	0.001	0.002	---	---	0.245	1982
1983	---	---	0	3.54	0.840	0.087	0.044	0.002	0	0	---	---	0.557	1983
1984	---	---	0.018	0.019	0.007	0.003	0.001	0	0	0	---	---	0.008	1984
1985	---	---	1.53	2.21	0.014	0.008	0.002	0.002	0.005	0.018	---	---	0.488	1985
1986	---	---	1.21	0.405	0.258	0.043	0.018	0.006	0.003	0.004	---	---	0.250	1986
1987	---	---	0.504	0.751	0.084	0.002	0.003	0.002	0	0.001	---	---	0.168	1987
1988	---	---	0.002	0.080	0.023	0.007	0.001	0	0	0	---	---	0.011	1988
MEAN	---	0.020	0.231	2.59	0.837	0.085	0.008	0.007	0.001	0.002	---	---	0.438	MEAN

LOCATION - LAT 50 31 47 N, LONG 102 42 37 W DRAINAGE AREA, 1 100 km² NATURAL FLOW

REMARKS - RECORDS PRIOR TO 1973 COLLECTED ABOUT 8.0 km DOWNSTREAM

EKAPO CREEK NEAR MARIEVAL - STATION NO. 05JM010

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1958	---	28.7 ON APR 18	---	---	1958
1959	---	12.4 B ON APR 10	0 B ON MAR 1 *	11 100	1959
1970	---	7.79 ON APR 11	0 B ON MAR 1	11 800	1970
1971	---	8.17 ON APR 8	0 B ON MAR 1	8 830	1971
1972	---	8.31 B ON MAR 23	0 B ON MAR 1	8 690	1972
1973	---	0.425E ON JUN 3	0 B ON MAR 1	158	1973
1974	28.8 AT 21:30 CST ON APR 18	24.3 ON APR 18	0 B ON MAR 1	18 700	1974
1975	28.0 AT 13:26 CST ON APR 29	27.8 ON APR 29	0 B ON MAR 1	32 800	1975
1976	57.4 AT 01:48 CST ON APR 8 *	44.7 ON APR 8 *	0 ON JUL 11	32 800	1976
1977	0.085 AT 03:26 CST ON MAY 5	0.040 ON MAY 5	0 B ON MAR 1	61.7	1977
1978	3.84 B AT 23:50 CST ON APR 2	3.11 B ON APR 3	0 B ON MAR 1	2 880	1978
1979	42.3 AT 23:31 CST ON APR 21	34.0 ON APR 22	0 B ON MAR 1	23 300	1979
1980	3.90 B AT 21:05 CST ON APR 5	2.81 B ON APR 5	0 B ON MAR 1	2 230	1980
1981	---	0.037B ON MAR 1	0 ON AUG 12	43.2	1981
1982	10.0 B AT 23:00 CST ON APR 14	9.86 B ON APR 15	0 B ON MAR 1	6 180	1982
1983	17.6 AT 19:26 CST ON APR 21	15.1 ON APR 22	0 B ON MAR 1	11 600	1983
1984	0.144B AT 08:53 CST ON MAR 28	0.102B ON MAR 28	0 B ON MAR 1	129	1984
1985	13.8 AT 22:01 CST ON APR 2	10.4 ON APR 2	0 B ON MAR 1	9 830	1985
1986	3.27 AT 16:19 CST ON AUG 6	2.46 B ON MAR 22	0.002 ON AUG 27	5 300	1986
1987	1.84 AT 19:48 CST ON MAR 31	1.38 ON MAR 1	0 ON JUN 14	3 480	1987
1988	0.187 AT 14:01 CST ON APR 8	0.154 ON APR 8	0 ON JUL 4	242	1988
				9 270	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

ELBOW DIVERSION CANAL AT DROP STRUCTURE - STATION NO. 05JG005

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1959	0	0	0	0	0.489	1.38	1.75	2.49	2.46	0.088	0	0	0.724	1959
1960	0	0	0	0.038	0.076	0.088	0.847	2.47	0.147	0.010	0.003	0	0.308	1960
1961	0	0	0	0.258	2.85	2.54	2.58	2.58	2.58	0.038	0.002	0	1.11	1961
1962	0	0	0	0	0.085	2.54	2.48	2.47	2.40	0.128	0.009	0	0.848	1962
1963	0	0	0	1.12	2.56	2.58	1.50	0.438	2.57	1.85	0.320	0	1.08	1963
1964	0	0	0	0.057	0.057	0.070	0	2.21	2.81	2.87	1.70	0.055	0.787	1964
1965	0	0	0	0	0.224	0.081	0.002	0.002	0	0	0	0	0.037	1965
1966	0	0	0	0	0.011	0.007	0.001	0.007	0.008	0.010	0	0	0.004	1966
1967	0	0	0	0.028	0.020	1.32	4.56	5.77	5.18	5.59	5.82	5.06	2.61	1967
1968	4.88	0	0	0	1.88	4.57	4.48	0.506	0.030	0.024	7.12	4.36	2.31	1968
1969	4.39	1.03	0	0	0.013	0.018	2.84	1.55	4.13	0.467	2.52	2.81	1.84	1969
1970	1.54	1.42	0	0.018	0.021	0.038	0.033	0.033	0.038	0.182	2.78	2.87	0.724	1970
1971	1.81	1.27	0.105	0.024	0.233	0.029	0.041	0.839	0.100	1.44	2.57	1.42	0.778	1971
1972	1.42	1.14	0.170	0.049	4.85	3.86	8.17	3.98	1.09	0.590	3.38	1.42	2.32	1972
1973	1.42	0.088	0.243	5.48	6.37	1.31	5.51	5.97	0.885	2.04	1.88	1.30	2.70	1973
1974	1.24	0.318	0.038	0.047	0.085	0.048	0.198	0.803	0.041	0.041	3.45	1.85	0.680	1974
1975	1.42	1.20	0.034	0.041	0.041	0.404	0.935	1.95	2.24	1.59	1.87	1.59	1.08	1975
1976	1.53	0.373	0.051	0.058	0.120	0.200	0.496	0.785	3.73	1.40	1.75	1.50	0.918	1976
1977	1.07	1.12	1.14	1.24	3.85	3.83	3.06	3.45	3.38	3.30	1.50	1.22	2.34	1977
1978	1.21	0.842	0.085	0.050	0.521	0.889	2.89	3.84	3.78	1.88	1.32	1.32	1.65	1978
1979	1.26	1.18	0.023	0.037	0.109	0.285	1.07	3.28	3.71	1.72	1.40	1.28	1.28	1979
1980	1.27	1.21	0.103	0.100	1.45	5.70	7.10	5.75	3.88	1.74	1.80	1.85	2.75	1980
1981	1.78	1.11	0.787	4.01	5.88	10.5	10.1	5.24	4.78	0.581	1.13	1.28	4.51	1981
1982	1.25	1.28	0.785	0.034	0.033	0.481	0.867	1.62	2.87	1.98	1.75	1.35	1.21	1982
1983	1.32	1.28	0.627	0.057	0.842	2.72	2.48	3.88	3.55	1.48	1.48	1.49	1.75	1983
1984	1.45	1.44	0.734	1.85	4.88	5.07	5.22	5.82	3.44	1.79	1.47	1.48	3.20	1984
1985	1.28	1.32	1.03	0.088	0.258	3.04	5.38	5.73	3.02	1.37	1.59	1.38	2.13	1985
1986	1.38	1.37	1.42	2.13	7.82	6.28	5.08	3.84	3.38	1.80	1.53	1.48	3.00	1986
1987	1.48	1.88	1.88	2.75	8.54	9.82	10.7	5.12	4.07	4.12	1.78	1.38	4.28	1987
1988	1.83	1.88	1.87	3.84	11.8	8.84	8.71	5.88	4.24	2.58	1.87	1.88	4.21	1988
MEAN	1.18	0.748	0.353	0.765	2.23	2.84	3.19	3.14	2.44	1.41	1.77	1.37	1.77	MEAN

LOCATION - LAT 50 58 40 N
LONG 108 23 55 W REGULATED

ELBOW DIVERSION CANAL AT DROP STRUCTURE - STATION NO. 05JG005

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1959	---	2.78 ON SEP 26	0 E ON JAN 1 *	22 800	1959
1960	---	2.55 ON AUG 5	0 E ON JAN 1	9 750	1960
1961	---	2.63 ON MAY 12	0 E ON JAN 1	35 000	1961
1962	---	2.67 ON AUG 7	0 E ON JAN 1	28 700	1962
1963	---	2.79 ON JUN 5	0 E ON JAN 1	34 100	1963
1964	---	2.75 ON SEP 7	0 E ON JAN 1	24 900	1964
1965	---	1.25 ON MAY 24	0 E ON JAN 1	845	1965
1966	---	0.086 ON MAY 25	0 E ON JAN 1	118	1966
1967	---	8.09 ON OCT 21	0 E ON JAN 1	88 800	1967
1968	---	11.3 ON NOV 14	0 E ON FEB 1	72 900	1968
1969	---	7.56 ON SEP 12	0 ON FEB 18	51 800	1969
1970	---	2.92 ON OCT 31	0 E ON MAR 1	22 800	1970
1971	---	3.20 ON OCT 21	0 E ON MAR 6	24 500	1971
1972	---	11.7 ON MAY 21	0 E ON MAR 10	73 300	1972
1973	---	8.85 ON MAY 11	0.0118 ON FEB 6	85 300	1973
1974	---	4.45 ON NOV 16	0.0288 ON APR 1	20 800	1974
1975	---	3.08 ON SEP 16	0.0348 ON FEB 25	34 500	1975
1976	---	2.92 ON AUG 31	0.031 ON JUL 1	29 000	1976
1977	---	3.81 ON MAY 25	0.040 ON JUL 18	73 800	1977
1978	---	3.91 ON AUG 28	0.0408 ON APR 13	48 800	1978
1979	---	3.79 ON OCT 7	0.0128 ON FEB 24	40 300	1979
1980	---	5.72 ON JUL 1	0 E ON MAR 4	67 000	1980
1981	---	11.4 ON JUL 13	0.041 ON OCT 27	142 000	1981
1982	---	3.08 ON SEP 28	0.029 ON MAY 5	38 000	1982
1983	---	3.87 ON JUL 30	0.039 ON APR 4	55 300	1983
1984	---	8.88 ON AUG 19	0.042 ON MAR 24	101 000	1984
1985	---	5.08 ON JUL 24	0.040 ON MAY 4	87 100	1985
1986	11.3 AT 22:48 CST ON JUN 1	11.1 ON JUN 1	1.34 E ON DEC 28	94 800	1986
1987	12.4 AT 16:28 CST ON JUL 8	11.8 ON JUL 16	1.23 ON NOV 7	135 000	1987
1988	13.6 AT 17:45 CST ON MAY 25 *	13.0 ON MAY 21 *	1.20 ON NOV 3	133 000	1988
				55 800	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

ENGLISHMAN RIVER NEAR SPRUCE LAKE - STATION NO. 05EF005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1970	---	---	0	1.35	---	---	---	---	---	---	---	---	---	1970
1971	---	---	0	1.23	---	---	---	---	---	---	---	---	---	1971
1973	---	---	---	---	0.513	0.177	---	---	---	---	---	---	---	1973
1975	---	---	0	1.62	1.18	0.576	1.33	0.180	0.087	0.188	---	---	0.844	1975
1976	---	---	0.004	1.22	0.278	0.271	0.284	0.089	0.187	0.158	---	---	0.308	1976
1977	---	---	0.182	0.808	0.885	0.101	0.184	0.248	0.188	0.083	---	---	0.307	1977
1978	---	---	0.085	1.18	1.38	0.478	0.044	0.082	0.186	0.173	---	---	0.447	1978
1979	---	---	0.101	1.84	2.25	0.421	0.218	0.078	0.055	0.111	---	---	0.809	1979
1980	---	---	0	1.13	0.172	0.148	0.125	0.201	0.280	0.213	---	---	0.282	1980
1981	---	---	0.244	1.78	0.175	0.052	0.091	0.048	0.003	0.070	---	---	0.305	1981
1982	---	---	0	0.574	0.303	0.060	0.283	0.385	0.087	0.180	---	---	0.232	1982
1983	---	---	0.103	0.732	0.149	0.103	0.278	0.048	0.151	0.144	---	---	0.212	1983
1984	---	---	0.182	1.02	1.11	0.883	0.134	0.055	0.111	0.152	---	---	0.481	1984
1985	---	---	0.074	2.16	0.801	0.841	0.048	0.018	0.048	0.140	---	---	0.488	1985
1986	---	---	0.108	1.48	0.545	0.298	0.773	1.78	0.123	0.145	---	---	0.858	1986
1987	---	---	0.052	1.71	0.339	0.143	0.115	0.058	0.078	0.088	---	---	0.320	1987
1988	---	---	0.074	0.834	0.233	0.473	4.08	1.80	0.714	0.312	---	---	1.02	1988
MEAN	---	---	0.074	1.25	0.868	0.323	0.889	0.345	0.187	0.155	---	---	0.448	MEAN

LOCATION - LAT 53 34 32 N
LONG 108 09 25 W
DRAINAGE AREA, 383 km²
NATURAL FLOW

ENGLISHMAN RIVER NEAR SPRUCE LAKE - STATION NO. 05EF005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1970	---	3.848 ON APR 20	0 B ON MAR 1 *	---	1970
1971	---	5.218 ON APR 16	0 B ON MAR 1	---	1971
1973	---	---	---	---	1973
1975	---	7.14 ON APR 27	0 B ON MAR 1	13 800	1975
1976	---	2.758 ON APR 7	0 B ON MAR 1	6 520	1976
1977	---	1.83 ON MAY 21	0.003E ON JUN 15	8 510	1977
1978	3.75 AT 07:10 CST ON MAY 2	2.57 ON MAY 2	0.001 ON JUL 25	9 470	1978
1979	10.8 AT 14:38 CST ON MAY 1	10.5 ON MAY 1	0.023 ON SEP 22	12 800	1979
1980	4.748 AT 05:30 CST ON APR 15	4.418 ON APR 15	0 B ON MAR 1	5 950	1980
1981	5.098 AT 10:23 CST ON APR 7	3.958 ON APR 8	0.001 ON SEP 3	8 470	1981
1982	2.898 AT 06:24 CST ON APR 24	2.718 ON APR 24	0 B ON MAR 1	4 920	1982
1983	2.348 AT 06:55 CST ON APR 4	1.878 ON APR 6	0.004 ON SEP 4	4 490	1983
1984	2.76 AT 06:20 CST ON MAY 24	2.42 ON MAY 25	0.013 ON AUG 8	9 540	1984
1985	5.08 AT 15:52 CST ON APR 15	4.74 ON APR 15	0.006E ON AUG 21	15 300	1985
1986	10.5 AT 13:15 CST ON AUG 1	9.73 ON AUG 1	0.050 ON JUN 15	13 800	1986
1987	4.46 AT 01:24 CST ON APR 8	3.92 ON APR 8	0.006 ON AUG 1	8 730	1987
1988	18.8 AT 09:31 CST ON JUL 8 *	18.3 ON JUL 8 *	0.070E ON MAR 1	21 800	1988
				9 800	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

ENRIGHT AND STRONG DITCH NEAR EASTEND - STATION NO. 11AC005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1909	---	---	---	---	---	0.238	0.133	0.180	0.120	0.011	---	---	---	1909
1910	---	---	0	0.002	0.227	0.320	0.053	0.134	0.176	0.275	---	---	0.148	1910
1911	---	---	0	0.013	0.133	0.151	0.154	0.163	0.036	0	---	---	0.068	1911
1912	---	---	0	0	0	0.069	0.884	0.384	0.033	0	---	---	0.144	1912
1913	---	---	0	0	0.078	---	---	---	---	---	---	---	---	1913
1914	---	---	---	---	0.502	0.345	0.113	0	0	0	---	---	---	1914
1915	---	---	0	0.007	0.402	0.372	0.420	0.055	0.005	0	---	---	0.158	1915
1916	---	---	0	0	---	0.228	0.127	0.180	0	0	---	---	---	1916
1917	---	---	0	0	0.052	0.269	0.269	0.053	0	0	---	---	0.080	1917
1918	---	---	0	0	0	0	0	0	0	0	---	---	0	1918
1919	---	---	0	0	0	0	0	0	0	0	---	---	0	1919
1920	---	---	0	0	0	0	0	0	0	0	---	---	0	1920
1921	---	---	0	0	0	0	0	0	0	0	---	---	0	1921
1922	---	---	0	0	0	0	0	0	0	0	---	---	0	1922
1923	---	---	0	0	0	0	0	0	0	0	---	---	0	1923
MEAN	---	---	0	0.002	0.107	0.148	0.138	0.081	0.028	0.020	---	---	0.058	MEAN

LOCATION - LAT 49 30 30 N
LONG 108 50 24 W
REGULATED

ENRIGHT AND STRONG DITCH NEAR EASTEND - STATION NO. 11AC005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1909	---	---	0 ON OCT 18 *	---	1909
1910	---	0.504 ON JUN 1	0 ON MAR 1	3 140	1910
1911	---	0.595 ON JUN 12	0 ON MAR 1	1 830	1911
1912	---	0.702 ON JUL 4	0 ON MAR 1	3 040	1912
1913	---	---	0 ON MAR 1	---	1913
1914	---	---	0 ON JUL 19	---	1914
1915	---	0.765 ON JUL 21 *	0 ON MAR 1	3 350	1915
1916	---	---	0 ON MAR 1	---	1916
1917	---	0.268E ON MAY 26	0 ON MAR 1	1 700	1917
1918	---	0 ON MAR 1	0 ON MAR 1	0	1918
1919	---	0 ON MAR 1	0 ON MAR 1	0	1919
1920	---	0 ON MAR 1	0 ON MAR 1	0	1920
1921	---	0 ON MAR 1	0 ON MAR 1	0	1921
1922	---	0 ON MAR 1	0 ON MAR 1	0	1922
1923	---	0 ON MAR 1	0 ON MAR 1	0	1923
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		1 190	MEAN

E - ESTIMATED

ETOMAMI RIVER NEAR BERTWELL - STATION NO. 05LB002

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1985	---	---	0.137	34.9	48.1	7.25	1.83	0.134	0.172	0.518	---	---	11.7	1985
1986	---	---	0.028	2.49	30.5	5.50	4.02	0.328	0.782	0.956	---	---	5.93	1986
1987	---	---	0.170	27.7	18.5	2.77	0.249	0.720	0.477	0.088	---	---	8.29	1987
1988	---	---	0.155	1.68	1.23	0.775	0.588	0.110	0.083	0.377	---	---	0.545	1988
1989	---	---	0.422	4.30	2.70	2.72	5.43	0.284	2.73	4.30	---	---	2.89	1989
1990	---	---	0.672	24.5	18.2	8.61	1.50	0.318	0.324	0.332	---	---	8.91	1990
1991	---	---	0.187	1.78	1.63	0.270	0.001	0	0	0	---	---	0.488	1991
1992	---	---	0	13.5	3.90	0.287	0.083	0	0.272	0.178	---	---	2.25	1992
1993	---	---	0.011	7.74	0.780	1.13	0.802	0.113	0.382	0.512	---	---	1.41	1993
1994	---	---	0	8.28	26.4	0.722	0.247	0.287	2.70	0.758	---	---	5.05	1994
1995	---	---	0.057	7.14	17.1	40.2	10.3	1.74	1.14	1.75	---	---	9.85	1995
1996	---	---	0.131	23.5	14.7	13.5	5.83	2.09	0.909	2.86	---	---	7.97	1996
1997	---	---	0.297	4.18	30.4	4.28	0.292	0.038	0.023	0.235	---	---	5.00	1997
1998	---	---	1.84	4.35	0.906	1.54	0.884	1.18	0.824	0.180	---	---	1.44	1998
1999	---	---	0.227	19.8	3.13	0.359	0.201	0.082	0.020	1.18	---	---	3.06	1999
1970	---	---	0.073	8.81	26.0	7.23	10.3	1.10	0.273	1.05	---	---	7.00	1970
1971	---	---	0.179	28.4	4.90	1.68	0.530	0.218	0.080	0.452	---	---	4.52	1971
1972	---	---	0.189	31.8	31.2	1.39	0.305	0.057	0.148	0.883	---	---	8.19	1972
1973	---	---	0.048	8.26	5.27	10.8	7.97	0.711	0.083	0.278	---	---	3.90	1973
1974	---	---	0.288	28.3	32.5	8.50	0.448	0.788	1.52	1.37	---	---	9.18	1974
1975	---	---	0.244	18.4	18.1	10.0	1.87	0.459	1.50	1.86	---	---	6.41	1975
1976	---	---	0.188	26.1	4.81	24.2	8.43	0.460	0.081	0.221	---	---	7.58	1976
1977	---	---	0.227	4.53	0.956	0.258	0.083	0.275	0.572	0.741	---	---	0.959	1977
1978	---	---	0.131	15.3	8.36	0.947	0.858	0.229	0.257	0.725	---	---	3.30	1978
1979	---	---	0.084	22.0	30.0	14.2	0.841	0.072	0.051	0.145	---	---	8.39	1979
1980	---	---	0.184	4.42	0.377	0.173	0.208	0.483	0.157	0.258	---	---	0.788	1980
1981	---	---	1.75	2.93	0.708	0.845	0.555	0.335	0.020	2.35	---	---	1.19	1981
1982	---	---	0.093	8.20	2.20	3.86	0.313	0.077	0.005	0.114	---	---	1.48	1982
1983	---	---	0.087	8.32	8.89	3.40	10.8	1.20	0.137	0.257	---	---	4.11	1983
1984	---	---	0.230	11.6	13.8	21.2	1.93	0.243	0.184	0.414	---	---	8.14	1984
1985	---	---	0.275	32.8	11.5	2.91	1.02	0.822	0.537	0.871	---	---	8.24	1985
1986	---	---	0.372	24.6	7.74	1.43	1.33	1.26	0.188	0.485	---	---	4.81	1986
1987	---	---	0.308	8.38	1.22	0.780	1.18	0.430	0.120	0.337	---	---	1.67	1987
1988	---	---	0.288	20.1	11.3	0.797	0.088	0.144	0.101	0.282	---	---	4.10	1988
MEAN	---	---	0.288	14.8	12.9	5.14	2.35	0.492	0.488	0.782	---	---	4.72	MEAN

LOCATION - LAT 52 35 32 N DRAINAGE AREA, 2 050 km^2
LONG 102 33 54 W NATURAL FLOW

REMARKS - STATION MOVED 1.0 km UPSTREAM ON JUN 03 1982

ETOMAMI RIVER NEAR BERTWELL - STATION NO. 05LB002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1955	---	107 ON MAY 7	0.057E ON MAR 1	246 000	1955
1956	---	44.2 ON MAY 15	0.028E ON MAR 1	128 000	1956
1957	---	90.9 ON APR 24	0 ON JUL 1 *	133 000	1957
1958	---	3.31 ON APR 21	0 ON AUG 18	13 700	1958
1959	---	22.3 ON JUN 29	0.028B ON MAR 1	80 300	1959
1960	---	47.3 ON APR 25	0.057B ON OCT 30	146 000	1960
1961	---	6.08B ON APR 30	0 ON JUL 4	9 880	1961
1962	---	58.6 B ON APR 24	0 B ON MAR 1	47 500	1962
1963	---	23.6 B ON APR 15	0 B ON MAR 1	30 000	1963
1964	---	39.5 B ON MAY 15	0 B ON MAR 1	107 000	1964
1965	---	148 ON JUN 4 *	0.057E ON MAR 1	206 000	1965
1966	---	87.7 ON APR 15	0.127B ON MAR 1	198 000	1966
1967	---	73.6 B ON MAY 1	0.008 ON AUG 28	108 000	1967
1968	---	14.0 B ON MAR 30	0.085B ON MAR 18	30 800	1968
1969	---	58.6 B ON APR 12	0 ON SEP 8	84 700	1969
1970	82.3 AT 19:00 CST ON MAY 3	81.7 ON MAY 4	0.088B ON MAR 1	148 000	1970
1971	95.4 AT 20:06 CST ON APR 18	87.6 ON APR 17	0 ON SEP 1	95 600	1971
1972	147 AT 19:08 CST ON APR 28 *	140 ON APR 27	0 ON AUG 2	173 000	1972
1973	23.8 AT 00:00 CST ON JUL 5	22.7 ON JUL 5	0 B ON MAR 1	82 800	1973
1974	126 AT 21:00 CST ON APR 22	123 ON APR 22	0.173 ON AUG 10	194 000	1974
1975	---	57.6 ON APR 24	0.344B ON MAR 1	138 000	1975
1976	75.0 AT 19:20 CST ON JUN 25	73.3 ON JUN 25	0.003 ON SEP 14	190 000	1976
1977	---	12.7 B ON APR 12	0.02TE ON AUG 29	20 300	1977
1978	---	62.3 B ON APR 20	0.004 ON SEP 12	89 800	1978
1979	---	110 A ON APR 23	0.005 ON SEP 25	176 000	1979
1980	---	17.0 ON APR 14	0 ON SEP 17	18 300	1980
1981	---	6.60B ON MAR 29	0.001 ON SEP 2	25 100	1981
1982	---	17.8 B ON APR 17	0 B ON MAR 1	31 000	1982
1983	54.2 AT 03:00 CST ON APR 24	53.1 ON APR 24	0.051 ON SEP 4	68 900	1983
1984	75.3 AT 18:10 CST ON JUN 9	75.4 ON JUN 9	0.013 ON SEP 4	130 000	1984
1985	71.1 AT 10:01 CST ON APR 23	68.8 ON APR 23	0.07A ON AUG 28	132 000	1985
1986	73.0 AT 15:10 CST ON APR 9	63.1 ON APR 9	0.025 ON SEP 11	97 400	1986
1987	39.6 AT 15:11 CST ON APR 7	33.6 ON APR 7	0.015 ON SEP 22	33 200	1987
1988	82.9 AT 20:38 CST ON APR 13	79.2 ON APR 13	0.015 ON SEP 24	88 800	1988
				89 900	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

ETOMAMI RIVER NEAR RESERVE - STATION NO. 05LB001

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1955	---	---	0.113	30.8	31.0	4.93	0.633	0.230	0.352	0.359	---	---	7.25	1955
1956	---	---	0.028	1.70	23.6	7.89	1.80	0.393	0.306	0.489	---	---	4.56	1956
1957	---	---	0.144	6.10	16.3	1.61	0.198	0.578	0.387	0.037	---	---	3.19	1957
1958	---	---	0.104	1.21	0.729	0.374	0.307	0.051	0.034	0.102	---	---	0.362	1958
1959	---	---	0.363	2.32	2.32	1.80	2.61	0.287	2.03	3.25	---	---	1.88	1959
1960	---	---	0.887	10.4	13.5	5.37	1.23	0.243	0.087	0.220	---	---	4.07	1960
1961	---	---	0.183	0.578	1.24	0.117	0.004	0.003	0.003	0.005	---	---	0.268	1961
1962	---	---	0.014	3.07	2.22	0.207	0.107	0.053	0.196	0.083	---	---	0.740	1962
1963	---	---	0.011	5.34	0.788	0.785	0.276	0.110	0.258	0.392	---	---	0.885	1963
1964	---	---	0	3.32	7.06	0.368	0.213	0.190	0.698	0.485	---	---	1.84	1964
1965	---	---	0.057	5.26	13.6	29.6	8.42	0.604	1.49	1.21	---	---	7.21	1965
MEAN	---	---	0.148	5.45	10.2	4.83	1.26	0.238	0.532	0.601	---	---	2.81	MEAN

LOCATION - LAT 52 28 50 N, LONG 102 38 42 W
DRAINAGE AREA, 1 100 km^2

ETOMAMI RIVER NEAR RESERVE - STATION NO. 05LB001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1955	---	70.8 ON MAY 8 *	0.028 ON JUL 30	154 000	1955
1956	---	41.8 ON MAY 17	0 ON AUG 8 *	58 400	1956
1957	---	48.7 ON MAY 1	0 E ON JUL 1	67 700	1957
1958	---	2.80B ON APR 22	0 E ON AUG 19	7 880	1958
1959	---	12.7 ON JUN 29	0.028 ON AUG 29	39 400	1959
1960	---	25.8 ON APR 21	0.008 ON SEP 21	88 100	1960
1961	---	2.41 ON MAY 14	0.003 ON JUL 8	5 630	1961
1962	---	18.6 B ON APR 24	0 ON OCT 27	15 700	1962
1963	---	14.3 B ON APR 18	0 B ON MAR 1	20 800	1963
1964	---	13.8 ON MAY 9	0 B ON MAR 1	33 700	1964
1965	---	88.0 E ON JUN 4	0.031 ON SEP 7	153 000	1965
				81 700	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

EYEHILL CREEK NEAR MACKLIN - STATION NO. 05GA007

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1966	---	---	---	---	---	---	---	---	---	0.003	---	---	---	1966
1967	---	---	0	0.188	0.520	0.188	0.037	0.001	0	0	---	---	0.108	1967
1968	---	---	0.302	0.050	0.008	0.004	0.001	0.001	0.083	0.127	---	---	0.072	1968
1969	---	---	0	2.38	0.183	0.057	0	0	0	0.004	---	---	0.319	1969
1970	---	---	0	0.841	0.047	0.068	0.021	0.288	0.028	0	---	---	0.133	1970
1971	---	---	0	1.77	0.038	0.084	0.008	0.340	0.019	0.030	---	---	0.281	1971
1972	---	---	0.133	0.188	0.028	0.014	0	0	0.203	0.044	---	---	0.078	1972
1973	---	---	0	0.002	0.001	0.180	0.420	0.001	0.080	0.010	---	---	0.088	1973
1974	---	---	0	1.61	0.113	0.117	0	0.041	0.008	0	---	---	0.220	1974
1975	---	---	0	0.002	0.728	0.268	0.051	0.028	0.005	0.001	---	---	0.138	1975
1976	---	---	0	0.485	0.091	0.140	0.078	0	0.028	0.040	---	---	0.107	1976
1977	---	---	0	0.003	0.002	0.002	0.008	0.004	0	0	---	---	0.002	1977
1978	---	---	0	0.002	0.001	0	0.018	0	0.001	0	---	---	0.003	1978
1979	---	---	0	0.508	0.237	0.001	0	0	0	0	---	---	0.082	1979
1980	---	---	0.003	0.313	0.138	0	0	0	0	0	---	---	0.056	1980
1981	---	---	0.018	0.372	0.112	0.001	0.011	0.448	0.152	0.001	---	---	0.138	1981
1982	---	---	0	0.010	0.212	0.116	0.001	0	0	0.003	---	---	0.043	1982
1983	---	---	0.038	0.240	0.003	0	0.241	0.020	0.002	0	---	---	0.057	1983
1984	---	---	0.258	0.338	0.022	0.048	0	0	0	0	---	---	0.083	1984
1985	---	---	0.543	1.38	0.264	0.080	0.003	0	0	0	---	---	0.378	1985
1986	---	---	0.128	0.052	0.083	0.044	0.071	0.020	0	0.011	---	---	0.048	1986
1987	---	---	0.004	0.314	0.008	0	0	0	0	0	---	---	0.040	1987
1988	---	---	0	0	0	0	0	0	0	0	---	---	0	1988
MEAN	---	---	0.085	0.487	0.127	0.084	0.044	0.053	0.027	0.012	---	---	0.109	MEAN

LOCATION - LAT 52 18 08 N
LONG 109 55 41 W

DRAINAGE AREA, 10 100 km²
REGULATED

EYEHILL CREEK NEAR MACKLIN - STATION NO. 05GA007

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1966	---	---	0Z ON OCT 25 *	---	1966
1967	---	1.38 ON APR 30	0B ON MAR 1	2 300	1967
1968	---	0.8898 ON MAR 1	0 ON JUN 24	1 530	1968
1969	13.8 B AT 11:30 CST ON APR 12 *	13.8 ON APR 13 *	0B ON MAR 1	5 750	1969
1970	3.14 B AT 08:40 CST ON APR 11	2.86 B ON APR 12	0B ON MAR 1	2 810	1970
1971	12.4 AT 07:53 CST ON APR 18	10.3 ON APR 18	0B ON MAR 1	5 980	1971
1972	1.84 AT 09:08 CST ON APR 8	0.864 ON APR 8	0B ON MAR 1	1 810	1972
1973	1.07 AT 19:30 CST ON JUL 10	1.04 ON JUL 10	0B ON MAR 1	1 820	1973
1974	8.88 AT 18:04 CST ON APR 21	8.27 ON APR 21	0B ON MAR 1	4 850	1974
1975	1.12 AT 23:03 CST ON MAY 6	1.11 ON MAY 6	0B ON MAR 1	2 810	1975
1976	1.03 AT 13:38 CST ON APR 7	0.951 ON APR 7	0B ON MAR 1	2 270	1976
1977	---	0.122 ON JUL 1	0B ON MAR 1	45.8	1977
1978	0.102 ON JUL 8	0.102 ON JUL 8	0B ON MAR 1	80.3	1978
1979	0.8388 AT 19:19 CST ON APR 15	0.8248 ON APR 11	0B ON MAR 1	1 950	1979
1980	0.886 AT 10:06 CST ON APR 18	0.883 ON APR 18	0B ON MAR 1	1 190	1980
1981	1.43 AT 13:00 CST ON APR 17	1.19 ON APR 18	0B ON MAR 1	2 240	1981
1982	---	0.488E ON MAY 22	0B ON MAR 1	807	1982
1983	2.03 AT 23:27 CST ON APR 8	1.49 ON APR 7	0B ON MAR 1	1 420	1983
1984	1.93 AT 19:08 CST ON APR 1	1.83 ON APR 1	0B ON MAR 1	1 750	1984
1985	8.33 B AT 02:26 CST ON APR 4	4.72 B ON APR 3	0B ON MAR 1	5 890	1985
1986	0.5368 AT 11:27 CST ON MAR 17	0.4899 ON MAR 17	0B ON MAR 1	1 030	1986
1987	1.42 AT 13:46 CST ON APR 8	1.18 ON APR 8	0B ON MAR 1	838	1987
1988	0 B AT 00:00 CST ON MAR 1	0 B ON MAR 1	0B ON MAR 1	0	1988
				2 300	MEAN

B - ICE CONDITIONS
E - ESTIMATED

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

EYEHILL CREEK NEAR YONKER - STATION NO. 05GA001

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1919	---	---	---	---	---	---	---	---	---	---	---	---	---	1919
1920	---	---	---	---	1.02	0.518	0.312	0.180	0.249	0.304	---	---	---	1920
1921	---	---	---	3.88	1.16	0.411	0.277	0.194	0.223	0.194	---	---	---	1921
1922	---	---	---	0.830	0.648	0.287	0.188	0.130	0.123	0.143	---	---	---	1922
1923	---	---	---	0.270	0.380	0.318	0.381	0.395	0.172	0.186	---	---	---	1923
1924	---	---	---	0.132	1.15	0.898	0.258	0.139	0.127	0.141	---	---	---	1924
1925	---	---	0.088	1.31	0.395	0.328	0.144	0.094	0.100	---	---	---	---	1925
1926	---	---	0.072	0.704	0.328	0.287	0.085	0.104	0.109	0.108	---	---	0.220	1926
1927	---	---	0	1.01	0.843	0.801	0.507	0.257	0.257	0.608	---	---	0.484	1927
1928	---	---	0.188	1.78	0.889	0.488	0.318	0.128	0.115	0.145	---	---	0.503	1928
1929	---	---	0	0.321	0.813	0.242	0.133	0.088	0.032	0.151	---	---	0.202	1929
1930	---	---	---	0.445	0.280	0.424	0.753	0.194	0.148	0.233	---	---	---	1930
1938	---	---	0.038	1.10	0.430	0.188	---	---	---	---	---	---	---	1938
MEAN	---	---	0.088	1.08	0.654	0.407	0.302	0.183	0.187	0.223	---	---	0.382	MEAN

LOCATION - LAT 52 38 02 N
LONG 109 39 34 W

DRAINAGE AREA, 10 700 km²
NATURAL FLOW

EVENILL CREEK NEAR YONKER - STATION NO. 05GA001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1919	---	---	0.147 ON OCT 25	---	1919
1920	---	---	---	---	1920
1921	---	16.7 ON APR 17 *	0 B ON APR 1 *	---	1921
1922	---	1.83 B ON APR 9	0 B ON APR 1	---	1922
1923	---	0.7068 ON APR 22	0 B ON APR 1	---	1923
1924	---	1.36 ON MAY 4	0 B ON APR 1	---	1924
1925	---	2.84 ON APR 13	0 ON MAR 1	---	1925
1926	---	3.03 B ON APR 16	0 B ON APR 1	4 880	1926
1927	---	2.32 ON APR 28	0 B ON MAR 1	10 300	1927
1928	---	5.24 ON APR 25	0 B ON MAR 1	10 800	1928
1929	---	1.38 B ON MAY 1	0 B ON MAR 1	4 280	1929
1930	---	1.24 ON JUL 2	---	---	1930
1938	---	4.70 B ON APR 20	---	---	1938
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		7 480	MEAN

FAHLMAN CREEK NEAR DAVIN - STATION NO. 05JP003

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1951	---	---	---	0.112	0.004	---	---	---	---	---	---	---	---	1951
1952	---	---	0.085	0.078	0	0	0	0	0.003	0	---	---	0.018	1952
1953	---	---	0.137	0.018	0	0.028	0.009	0.004	0	0	0	---	0.025	1953
1954	---	0.003	0.002	0.101	0.001	0.008	0.001	0	0.001	0	0	---	0.014	1954
1955	0	0	0.088	0.139	0.008	0	0.248	0	0	0	0	0	0.058	1955
1956	0	0	0	0.374	0.011	0.011	0	0	0	0	0	0	0.049	1956
1957	0	0	0.180	0.014	0	0	0.001	0	0	0	0	0	0.022	1957
1958	0	0	0.095	0.007	0	0	0	0	0	0	0	0	0.013	1958
1959	---	---	0.002	0	0	0.028	0	0	0	0	---	---	0.004	1959
1960	---	---	0.015	0.187	0	0	0	0.004	0	0	---	---	0.023	1960
1961	---	---	0.011	0.004	0.001	0	0	0	0	0	---	---	0.002	1961
1962	---	---	0.002	0.131	0	0	0	0	0	0	---	---	0.018	1962
1963	---	---	0.020	0	0	0	0	0	0	0	---	---	0.003	1963
1964	---	---	0.021	0.017	0	0	0	0	0	0	---	---	0.005	1964
1965	---	---	0	0.118	0	0	0	0	0	0	---	---	0.014	1965
1966	---	---	0.154	0.021	0	0	0	0	0	0	---	---	0.022	1966
1967	---	---	0	0.174	0	0	0	0	0	0	---	---	0.021	1967
1968	---	---	0.031	0	0	0	0	0	0	0	---	---	0.004	1968
1969	---	---	0	0.284	0	0	0	0	0	0	---	---	0.031	1969
1970	---	---	0.007	0.185	0.027	0	0	0	0	0	---	---	0.024	1970
1971	---	---	0	0.388	0	0	0	0	0	0	---	---	0.045	1971
1972	---	---	0.143	0.030	0.001	0	0	0	0	0	---	---	0.022	1972
1973	---	---	0.002	0.001	0.001	0.084	0.157	0	0	0	---	---	0.026	1973
1974	---	---	0	0.498	0.038	0.002	0.003	0.001	0	0.001	---	---	0.086	1974
1975	---	---	0.041	0.285	0.002	0.001	0	0	0	0	---	---	0.038	1975
1976	---	---	0.038	0.284	0.001	0.008	0	0	0	0	---	---	0.041	1976
1977	---	---	0.003	0.001	0.001	0.001	0.004	0	0	0	---	---	0.001	1977
1978	---	---	0.084	0.022	0.008	0.001	0	0	0	0	---	---	0.012	1978
1979	---	---	0	0.270	0.008	0.001	0	0	0	0.001	---	---	0.034	1979
1980	---	---	0.021	0.060	0.002	0	0	0.001	0.001	0.001	---	---	0.008	1980
1981	---	---	0.001	0.001	0	0.001	0	0	0	0.001	---	---	0.001	1981
1982	---	---	0	0.201	0.001	0	0.001	0	0	0.001	---	---	0.028	1982
1983	---	---	0	0.102	0.002	0	0.178	0.001	0	0.001	---	---	0.036	1983
1984	---	---	0.013	0.004	0	0	0	0	0	0	---	---	0.002	1984
1985	---	---	0.189	0.076	0.001	0	0	0	0.001	0	---	---	0.033	1985
1986	---	---	0.030	0.001	0.003	0	0	0	0	0.001	---	---	0.004	1986
1987	---	---	0.087	0.004	0.014	0.001	0	0	0	0	---	---	0.010	1987
1988	---	---	0	0.001	0	0	0	0	0	0	---	---	0	1988
MEAN	0	0.001	0.038	0.108	0.003	0.004	0.018	0	0	0	0	0	0.031	MEAN

LOCATION - LAT 50 22 10 N DRAINAGE AREA, 15.3 km^2
LONG 104 11 30 W REGULATED

FAHLMAN CREEK NEAR DAVIN - STATION NO. 05JF005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1951	---	0.885 ON APR 24	0 ON APR 3 *	---	1951
1952	---	1.30 ON MAR 31	0 ON MAR 1	382	1952
1953	---	1.39 ON MAR 29	0 ON MAR 1	823	1953
1954	---	0.886 ON APR 6	0 ON MAR 1	291	1954
1955	27.9 AT 03:00 CST ON JUL 12	8.80 ON JUL 12 *	0 ON MAR 1	1 230	1955
1956	---	2.61 ON APR 13	0 ON MAR 1	1 030	1956
1957	---	1.83 ON MAR 21	0 ON MAR 1	467	1957
1958	---	0.885 ON MAR 26	0 ON MAR 1	272	1958
1959	---	0.621 ON JUN 26	0 ON MAR 1	78.8	1959
1960	3.17 AT 19:00 CST ON APR 3	1.57 ON APR 3	0 ON MAR 1	488	1960
1961	0.328 AT 18:00 CST ON MAR 22	0.098 ON MAR 22	0 ON MAR 1	43.5	1961
1962	---	0.852 ON APR 5	0 ON MAR 1	345	1962
1963	---	0.266 ON MAR 21	0 ON MAR 1	53.3	1963
1964	1.13 ON MAR 15	0.288 ON APR 1	0 ON MAR 1	101	1964
1965	2.27 ON APR 6	1.51 ON APR 6	0 ON MAR 1	307	1965
1966	---	1.82 ON MAR 26	0 ON MAR 1	487	1966
1967	---	1.13 ON APR 12	0 ON MAR 1	451	1967
1968	---	0.348 ON MAR 6	0 ON MAR 1	83.5	1968
1969	---	2.22 ON APR 10	0 ON MAR 1	858	1969
1970	2.86 ON APR 6	1.90 ON APR 6	0 ON MAR 1	517	1970
1971	---	2.55 ON APR 9	0B ON MAR 1	957	1971
1972	2.23 AT 01:45 CST ON MAR 23	1.12 ON MAR 22	0B ON MAR 1	463	1972
1973	31.7 AT 22:00 CST ON JUN 30 *	3.82 ON JUL 1	0B ON MAR 1	599	1973
1974	8.40 AT 18:45 CST ON APR 18	3.88 ON APR 18	0B ON MAR 1	1 390	1974
1975	2.27 AT 18:07 CST ON APR 15	1.27 B ON APR 15	0B ON MAR 1	785	1975
1976	2.35 AT 18:45 CST ON APR 4	1.48 ON APR 5	0B ON MAR 1	872	1976
1977	0.292 AT 01:43 CST ON JUL 11	0.0848 ON MAR 20	0B ON MAR 1	28.7	1977
1978	---	0.5018 ON MAR 27	0B ON MAR 1	249	1978
1979	2.83 AT 18:44 CST ON APR 20	2.09 ON APR 20	0B ON MAR 1	723	1979
1980	---	0.2308 ON APR 1	0B ON MAR 1	171	1980
1981	0.0128 AT 18:00 CST ON MAR 10	0.0058 ON MAR 19	0B ON MAR 1	10.8	1981
1982	---	2.13 A ON APR 15	0B ON MAR 1	825	1982
1983	4.28 AT 23:04 CST ON JUL 20	1.87 ON JUL 21	0B ON MAR 1	787	1983
1984	---	0.0858 ON MAR 26	0B ON MAR 1	45.6	1984
1985	1.84 B AT 17:30 CST ON MAR 21	0.8488 ON MAR 21	0B ON MAR 1	707	1985
1986	---	0.1508 ON MAR 3	0 ON MAY 21	92.8	1986
1987	4.60 AT 13:42 CST ON MAY 28	0.374 ON MAY 28	0B ON MAR 15	203	1987
1988	0.007 AT 19:51 CST ON APR 1	0.0028 ON MAR 31	0B ON MAR 1	3.02	1988
				441	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

FAIRWELL CREEK AT DRURY'S RANCH - STATION NO. 11AC003

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1909	---	---	---	---	---	---	1.25	0.207	0.130	0.099	---	---	---	1909
1910	---	---	---	---	0.370	0.140	0.078	0.078	0.046	0.027	---	---	---	1910
1911	---	---	---	3.00	---	0.308	0.230	0.105	0.083	0.244	---	---	---	1911
1912	---	---	---	---	---	---	---	0.138	0.121	0.110	---	---	---	1912
1913	---	---	---	3.77	0.408	0.205	0.161	0.108	0.083	0.030	---	---	---	1913
1914	---	---	0.753	2.80	0.402	0.188	0.073	0.034	0.038	0.030	---	---	0.648	1914
1915	---	---	---	1.85	0.417	0.874	0.480	0.252	0.128	0.088	---	---	---	1915
1916	---	---	---	2.77	1.40	1.38	0.721	0.351	0.184	0.489	---	---	---	1916
1917	---	---	---	12.3	5.64	0.805	0.148	---	---	---	---	---	---	1917
1918	---	---	---	4.71	0.827	0.373	0.188	0.077	0.024	0.010	---	---	---	1918
1919	---	---	---	1.83	0.470	0.131	0.068	0.020	0.007	0.003	---	---	---	1919
1920	---	---	0.026	3.54	1.84	0.180	0.108	0.083	0.033	0.007	---	---	0.815	1920
1921	---	---	0.590	2.23	0.384	0.100	0.052	0.032	0.024	0.008	---	---	0.417	1921
1922	---	---	---	5.68	1.44	0.131	0.054	0.028	0.010	0.002	---	---	---	1922
1923	---	---	0.042	3.11	0.534	0.705	0.264	0.107	0.048	0.027	---	---	0.588	1923
1924	---	---	0.026	1.72	0.381	0.284	0.158	0.073	0.014	0.008	---	---	0.328	1924
1925	---	---	0.088	8.25	0.388	0.292	0.122	0.070	0.023	0.022	---	---	1.13	1925
1926	---	---	4.17	1.77	0.178	0.087	0.058	0.031	0.007	0.008	---	---	0.780	1926
1927	---	---	0.018	8.80	2.98	0.817	0.421	0.128	0.084	0.048	---	---	1.82	1927
1928	---	---	3.81	1.31	0.387	0.511	0.387	0.117	0.070	0.049	---	---	0.805	1928
1929	---	---	0.089	3.39	0.692	0.484	0.199	0.082	0.023	0.010	---	---	0.639	1929
1930	---	---	0.848	5.01	0.373	0.220	0.220	0.078	0.033	0.010	---	---	0.838	1930
1931	---	---	0.178	0.412	---	---	---	---	---	---	---	---	---	1931
MEAN	---	---	0.888	3.85	1.12	0.394	0.258	0.103	0.057	0.084	---	---	0.778	MEAN

LOCATION - LAT 49 30 25 N, LONG 109 13 31 W
DRAINAGE AREA, 342 km^2
NATURAL FLOW

FAIRWELL CREEK AT DRURY'S RANCH - STATION NO. 11AC003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1909	---	---	---	---	1909
1910	---	---	---	---	1910
1911	---	14.8 ON APR 10	---	---	1911
1912	---	---	---	---	1912
1913	---	10.0 ON APR 7	---	---	1913
1914	---	8.72 ON APR 12	0.014E ON MAR 1	11 600	1914
1915	---	8.33 ON APR 3	---	---	1915
1916	---	---	---	---	1916
1917	---	41.6 ON APR 21 *	---	---	1917
1918	---	18.7 ON MAR 27	---	---	1918
1919	---	8.68 ON APR 2	---	---	1919
1920	---	12.5 ON APR 28	0.001 ON SEP 30	17 300	1920
1921	---	13.8 ON APR 14	0.005 ON OCT 19	8 630	1921
1922	---	21.8 ON APR 21	0 ON SEP 21 *	---	1922
1923	---	12.2 ON APR 16	0.025 ON OCT 5	12 700	1923
1924	---	16.3 ON APR 7	0.005 ON SEP 29	8 850	1924
1925	---	27.4 B ON APR 5	0.020 ON SEP 9	23 800	1925
1926	---	20.7 ON MAR 18	0.008 ON SEP 3	16 800	1926
1927	---	23.1 ON APR 24	0 B ON MAR 1	34 300	1927
1928	---	28.3 ON MAR 21	0.045 ON OCT 8	17 000	1928
1929	---	14.8 ON APR 21	0.0068 ON MAR 1	13 800	1929
1930	---	25.6 ON APR 4	0.0068 ON OCT 17	17 700	1930
1931	---	---	---	---	1931
	B - ICE CONDITIONS E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		18 400	MEAN

FAUQUIERS DITCH NEAR MAPLE CREEK - STATION NO. 05HA018

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1915	---	---	---	0.004	0.003	---	---	---	---	---	---	---	---	1915
1916	---	---	---	0.013	---	---	---	---	---	---	---	---	---	1916
1917	---	---	---	---	---	---	---	---	---	---	---	---	---	1917
1918	---	---	---	---	---	---	---	---	---	---	---	---	---	1918
1919	---	---	---	---	---	---	---	---	---	---	---	---	---	1919
1921	---	---	---	---	---	---	---	---	---	---	---	---	---	1921
MEAN	---	---	---	0.008	0.003	---	---	---	---	---	---	---	---	MEAN

LOCATION - LAT 49 50 48 N
LONG 105 23 10 W REGULATED

FAUQUIERS DITCH NEAR MAPLE CREEK - STATION NO. 05HA018

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1915	---	---	0 ON APR 1 *	---	1915
1916	---	---	0 ON APR 1	---	1916
1917	---	---	0 ON JUL 19	---	1917
1918	---	---	0R ON JUL 17	---	1918
1919	---	---	0R ON JUN 9	---	1919
1921	---	---	0R ON MAR 8	---	1921
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD R - REVISED SINCE JAN 01 1987		---	MEAN

PEARON AND MOORHEAD BRIDGE CREEK DITCH NEAR SKULL CREEK - STATION NO. 05HA014

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1913	---	---	---	0.004	0.010	0.001	---	---	---	---	---	---	---	1913
MEAN	---	---	---	0.004	0.010	0.001	---	---	---	---	---	---	---	MEAN

LOCATION - LAT 49 52 04 N
LONG 105 55 13 W REGULATED

PEARON AND MOORHEAD BRIDGE CREEK DITCH NEAR SKULL CREEK - STATION NO. 05HA014

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1913	---	---	0 ON APR 1 *	---	1913
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

FEARON AND MOORHEAD MAIN DITCH NEAR SKULL CREEK - STATION NO. 05HA024

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1911	---	---	---	---	---	---	---	---	---	---	---	---	---	1911
1912	---	---	0	0.042	0.083	0.004	---	---	---	---	---	---	---	1912
MEAN	---	---	0	0.042	0.083	0.004	---	---	---	---	---	---	---	MEAN

LOCATION - LAT 49 52 04 N
LONG 100 55 31 W REGULATED

FEARON AND MOORHEAD MAIN DITCH NEAR SKULL CREEK - STATION NO. 05HA024

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1911	---	---	0 ON AUG 22 *	---	1911
1912	---	---	0 ON MAR 1	---	1912
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

FEARON AND MOORHEAD SKULL CREEK DITCH - STATION NO. 05HA023

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1912	---	---	---	0.038	0.078	0.005	---	---	---	---	---	---	---	1912
MEAN	---	---	---	0.038	0.078	0.005	---	---	---	---	---	---	---	MEAN

LOCATION - LAT 49 51 28 N
LONG 100 58 31 W REGULATED

FEARON AND MOORHEAD SKULL CREEK DITCH - STATION NO. 05HA023

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1912	---	---	0 ON APR 1 *	---	1912
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

PIR RIVER NEAR HUDSON BAY - STATION NO. 05LB007

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1970	---	---	---	---	---	---	7.72	0.992	0.759	1.49	---	---	---	1970
1971	---	---	0.028	5.43	2.35	1.17	1.59	0.926	0.881	5.15	---	---	---	1971
1972	---	---	0.185	5.86	11.8	3.35	1.14	0.448	0.742	1.25	---	---	---	1972
1973	---	---	0.188	2.85	3.72	9.87	5.98	0.855	0.814	1.00	---	---	---	1973
1974	---	---	0.217	8.44	10.2	4.73	1.84	1.59	3.81	3.03	---	---	---	1974
1975	---	---	0.285	3.59	8.70	4.13	1.73	1.27	1.61	1.07	0.367	0.138	---	1975
1976	0.092	0.488	0.488	3.10	1.15	5.43	3.08	1.18	0.497	0.333	0.174	0.084	1.33	1976
1977	0.054	0.034	0.050	2.28	2.58	0.872	0.593	2.21	2.48	1.63	1.61	0.279	1.22	1977
1978	0.148	0.111	0.087	2.87	4.80	2.37	1.10	5.45	3.29	5.40	2.21	0.894	2.38	1978
1979	0.278	0.117	0.148	3.63	14.3	5.37	1.42	0.369	0.423	0.900	1.01	0.278	2.48	1979
1980	0.148	0.110	0.117	2.35	1.03	0.481	2.14	1.87	2.08	2.77	1.05	0.805	1.22	1980
1981	0.174	0.108	0.428	1.33	1.98	0.738	1.41	1.11	0.848	3.45	2.87	0.389	1.19	1981
1982	0.081	0.001	0.015	1.83	3.78	4.35	1.17	0.880	0.887	1.28	0.208	0.100	1.20	1982
1983	0.105	0.078	0.132	2.48	4.85	7.73	5.48	0.815	4.97	2.19	1.50	0.438	2.64	1983
1984	0.195	0.228	0.282	5.42	11.1	5.05	0.788	0.148	0.344	2.05	1.23	0.884	2.54	1984
1985	0.223	0.137	0.258	5.08	5.58	3.95	2.23	1.73	0.634	1.51	0.823	0.187	1.95	1985
1986	0.113	0.098	0.187	4.88	5.78	1.75	1.50	1.58	0.737	1.80	0.588	0.221	1.89	1986
1987	0.284	0.328	0.418	5.85	1.87	2.92	4.21	1.17	0.859	2.47	0.945	0.331	1.83	1987
1988	0.220	0.180	0.178	3.82	8.12	0.740	0.781	0.888	1.53	1.08	0.805	0.412	1.38	1988
MEAN	0.159	0.152	0.204	4.04	5.84	3.86	2.49	1.33	1.41	2.09	1.04	0.334	1.78	MEAN

LOCATION - LAT 52 49 59 N DRAINAGE AREA, 808 km^2
LONG 102 23 44 W NATURAL FLOW

FIR RIVER NEAR HUDSON BAY - STATION NO. 05LB007

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1970	---	---	---	---	1970
1971	15.0 B AT 20:48 CST ON APR 18	12.5 ON APR 23	---	---	1971
1972	38.5 AT 12:47 CST ON MAY 1	37.1 ON MAY 1	---	---	1972
1973	19.3 AT 16:10 CST ON JUN 5	16.3 ON JUL 8	---	---	1973
1974	31.4 AT 02:34 CST ON APR 21	22.8 ON APR 21	---	---	1974
1975	15.3 B AT 05:34 CST ON APR 22	13.3 ON APR 28	---	---	1975
1976	13.5 AT 06:53 CST ON JUN 27	13.3 ON JUN 26	0 B ON JAN 21 *	42 100	1976
1977	---	8.13 ON APR 20	0.0318 ON JAN 21	38 400	1977
1978	14.8 AT 17:30 CST ON AUG 22	14.7 ON AUG 22	0.0788 ON MAR 5	78 300	1978
1979	38.8 AT 09:10 CST ON MAY 18 *	27.3 ON MAY 19 *	0.0288 ON FEB 1	77 400	1979
1980	8.32 AT 19:51 CST ON APR 21	8.17 ON APR 22	0.0178 ON MAR 10	38 400	1980
1981	8.81 AT 20:04 CST ON OCT 19	8.57 ON OCT 19	0.0078 ON FEB 23	37 800	1981
1982	---	11.8 E ON MAY 31	0 B ON JAN 22	37 800	1982
1983	17.2 B AT 14:41 CST ON APR 22	14.6 ON JUL 4	0.0598 ON FEB 13	83 300	1983
1984	28.5 AT 08:08 CST ON MAY 25	27.5 ON MAY 21	0.029 ON SEP 2	80 200	1984
1985	14.0 B AT 05:05 CST ON APR 11	12.0 ON APR 24	0.0878 ON FEB 14	81 400	1985
1986	15.0 B AT 01:09 CST ON APR 7	12.8 B ON APR 8	0.0108 ON FEB 27	80 300	1986
1987	24.4 AT 01:12 CST ON APR 8	16.3 B ON APR 7	0.1758 ON JAN 2	57 700	1987
1988	---	13.4 B ON APR 13	0.0488 ON DEC 30	43 700	1988
				55 700	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

FIR RIVER NEAR HUDSON BAY - STATION NO. 05LB003

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1959	---	---	0.062	6.13	5.85	0.501	---	---	---	---	---	---	---	1959
1960	---	---	---	5.08	9.34	2.78	0.005	---	---	---	---	---	---	1960
1961	---	---	---	0	---	---	---	---	---	---	---	---	---	1961
1962	---	---	---	2.87	8.52	0.748	---	---	---	---	---	---	---	1962
1963	---	---	---	2.27	0.941	---	---	---	---	---	---	---	---	1963
1964	---	---	---	1.49	3.38	0.411	0.440	0.788	1.85	2.75	---	---	---	1964
1965	---	---	0	2.79	8.22	6.95	6.50	2.35	2.10	1.91	---	---	---	1965
1966	---	---	0.758	1.67	4.11	5.00	8.61	1.89	2.50	1.53	---	---	---	1966
1969	---	---	0.227	3.41	1.45	0.804	1.48	0.855	0.282	2.99	---	---	---	1969
1970	---	---	0.109	1.74	7.27	5.04	7.87	1.02	0.811	1.70	---	---	---	1970
MEAN	---	---	0.235	3.75	5.22	2.98	4.10	1.30	1.50	2.18	---	---	---	MEAN

LOCATION - LAT 62 51 25 N DRAINAGE AREA, 500 km^2
LONG 102 25 12 W NATURAL FLOW

FIR RIVER NEAR HUDSON BAY - STATION NO. 05LB003

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1959	---	10.1 ON MAY 4	0 ON MAR 1 *	---	1959
1960	---	17.0 ON MAY 14	0 ON APR 1	---	1960
1961	---	---	0 ON APR 1	---	1961
1962	---	21.1 ON MAY 4	0 ON APR 1	---	1962
1963	---	5.88 ON APR 17	0 B ON APR 1	---	1963
1964	---	5.74 ON MAY 5	0 B ON APR 1	---	1964
1965	---	23.4 ON JUN 4	0 B ON MAR 1	---	1965
1966	---	40.5 ON JUL 3 *	0.1088 ON MAR 22	---	1966
1969	---	6.82 ON APR 15	0.122 ON AUG 28	---	1969
1970	---	17.8 E ON JUL 5	0.0988 ON MAR 1	---	1970
				---	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

FLOWING WELL WEST INFLOW NEAR FLOWING WELL - STATION NO. 05JC007

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1967	---	---	0.231	0.502	---	---	---	---	---	---	---	---	---	1967
1970	---	---	1.20	---	---	---	---	---	---	---	---	---	---	1970
1971	---	---	0.020	0.403	---	---	---	---	---	---	---	---	---	1971
1974	---	---	---	0.598	0.008	---	---	---	---	---	---	---	---	1974
1975	---	---	0.038	0.701	0.034	0	0	0	0	0	---	---	0.095	1975
1976	---	---	1.35	0.082	0	0	0	0	0	0	---	---	0.178	1976
1977	---	---	0	0	0.053	0	0	0	0	0	---	---	0.007	1977
1978	---	---	0.932	0.051	0.017	0.002	0	0	0	0	---	---	0.135	1978
1979	---	---	0.263	0.110	0.004	0	0	0	0	0	---	---	0.050	1979
1980	---	---	0.430	0.070	0	0	0	0	0	0	---	---	0.083	1980
1981	---	---	0	0	0	0	0.001	0	0	0	---	---	0	1981
1982	---	0	0.208R	0.859R	0.057	0.022	0.050	0.010	0	0	---	---	0.152R	1982
1983	---	---	0.597	0.158	0.091	0	0.503R	0	0	0	---	---	0.170R	1983
1984	---	0.012	0.039	0	0	0.015	0	0	0	0	---	---	0.007	1984
1985	---	0.004	0.348	0.033	0	0	0	0	0	0	---	---	0.048	1985
1986	---	0.386	0.075	0	0.001	0.178	0.002	0	0	0	---	---	0.031	1986
1987	---	0	0.082	0.021	0	0	0	0	0	0	---	---	0.012	1987
1988	---	---	0	0	0	0	0	0	0	0	---	---	0	1988
MEAN	---	0.080	0.341R	0.211R	0.018	0.015	0.040R	0.001	0	0	---	---	0.057R	MEAN

LOCATION - LAT 50 15 04 N
LONG 105 56 46 W
DRAINAGE AREA, 81.8 km²
NATURAL FLOW

R - REVISED SINCE JAN 01 1987

FLOWING WELL WEST INFLOW NEAR FLOWING WELL - STATION NO. 05JC007

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1967	---	---	---	---	1967
1970	---	---	---	---	1970
1971	---	2.61 ON APR 3	0B ON MAR 1 *	---	1971
1974	---	---	---	---	1974
1975	---	3.40 B ON APR 20	0B ON MAR 1	2 010	1975
1976	---	8.50 B ON MAR 18 *	0B ON MAR 1	3 770	1976
1977	---	0.425 ON MAY 21	0B ON MAR 1	141	1977
1978	---	5.88 B ON MAR 22	0B ON MAR 1	2 850	1978
1979	---	1.95 B ON MAR 17	0B ON MAR 1	1 050	1979
1980	6.51 AT 21:15 CST ON MAR 28	3.31 ON MAR 28	0B ON MAR 1	1 330	1980
1981	---	0.044 ON JUL 13	0 ON MAR 1	3.87	1981
1982	9.58 RB AT 17:54 CST ON APR 13 *	5.87 RB ON APR 12	0B ON MAR 1	3 210 R	1982
1983	9.36 R AT 08:37 CST ON JUL 9	5.08 ON MAR 31	0 ON MAY 5	3 900 R	1983
1984	1.34 B AT 08:47 CST ON MAR 20	0.8138 ON MAR 20	0B ON MAR 2	148	1984
1985	4.00 B AT 17:23 CST ON MAR 1	1.24 B ON MAR 1	0 ON APR 18	1 020	1985
1986	8.38 AT 13:57 CST ON JUN 17	3.02 A ON JUN 17	0 ON MAR 25	883	1986
1987	0.900B AT 22:40 CST ON MAR 28	0.559B ON MAR 31	0B ON MAR 1	248	1987
1988	0 B AT 00:00 CST ON MAR 1	0 B ON MAR 1	0B ON MAR 1	0	1988
				1 420 R	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD
R - REVISED SINCE JAN 01 1987

FOND DU LAC RIVER AT OUTLET OF BLACK LAKE - STATION NO. 07LE002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1983	348	227	207	176	315	398	385	337	333	398	384	320	309	1983
1984	260	223	198	188	357	433	351	373	395	419	390	318	328	1984
1985	285	229	205	203	311	336	384	328	272	283	239	228	270	1985
1986	210	187	178	188	278	506	538	480	383	319	272	249	315	1986
1987	233	214	195	189	240	471	485	433	387	322	282	268	309	1987
1988	230	203	195	207	281	415	413	370	355	536	485	380	341	1988
1989	287	241	239	287	388	332	304	286	228	208	187	174	259	1989
1970	182	148	148	188	240	287	282	232	272	304	308	272	232	1970
1971	240	207	195	208	288	278	284	284	248	280	288	248	248	1971
1972	221	180	172	178	302	413	378	330	301	304	287	288	278	1972
1973	228	208	182	177	201	318	361	335	281	248	219	201	248	1973
1974	182	188	189	173	288	303	311	319	328	316	288	283	257	1974
1975	253	222	209	208	381	412	408	383	322	288	289	240	288	1975
1976	222	207	187	233	412	480	391	348	339	370	377	332	324	1976
1977	303	267	283	267	488	598	530	607	584	510	432	355	448	1977
1978	311	273	244	248	388	450	418	397	382	383	388	305	348	1978
1979	271	238	220	225	287	438	403	324	279	278	278	248	291	1979
1980	228	203	181	218	298	292	285	278	288	272	292	238	262	1980
1981	188	187	182	188	318	381	340	298	280	217	198	192	248	1981
1982	183	133	125	128	274	407	378	332	331	332	288	234	288	1982
1983	217	200	185	211	277	349	361	388	358	359	340	288	288	1983
1984	248	222	211	240	393	418	378	344	330	313	278	285	303	1984
1985	218	192	188	203	408	473	370	305	318	387	334	288	308	1985
1986	250	234	221	238	401	600	545	494	484	428	351	303	380	1986
1987	278	258	248	288	407	435	380	288	248	223	214	203	287	1987
1988	185	181	188	188	288	438	458	423	383	350	317	300	301	1988
MEAN	235	210	198	208	324	409	390	354	332	328	304	287	297	MEAN

LOCATION - LAT 59 08 50 N
LONG 105 32 20 W
DRAINAGE AREA, 49 200 km²
NATURAL FLOW

FOND DU LAC RIVER AT OUTLET OF BLACK LAKE - STATION NO. 07LE002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1983	---	411 ON OCT 28	181 ON APR 3	8 780 000	1983
1984	---	459 ON JUN 8	178 ON APR 8	10 300 000	1984
1985	377 AT 16:30 CST ON JUL 11	371 ON JUL 12	183 ON APR 11	8 510 000	1985
1986	575 AT 05:00 CST ON JUL 5	588 ON JUL 5	172 ON APR 3	8 930 000	1986
1987	513A AT 22:30 CST ON JUN 14	507A ON JUN 16	185 ON APR 2	8 780 000	1987
1988	---	584 ON OCT 24	189 ON MAR 10	10 800 000	1988
1989	377 AT 01:00 CST ON MAY 26	388 ON MAY 17	188 ON DEC 27	8 150 000	1989
1970	320 AT 17:00 CST ON NOV 5	320 ON NOV 5	144 ON FEB 24	7 330 000	1970
1971	308 AT 15:43 CST ON MAY 14	308 ON MAY 13	180 ON MAR 22	7 730 000	1971
1972	430 AT 11:48 CST ON JUN 13	430 ON JUN 12	187 ON MAR 23	8 780 000	1972
1973	382 AT 20:13 CST ON JUL 30	377 ON JUL 26	159E ON MAY 5	7 770 000	1973
1974	340 AT 23:52 CST ON SEP 24	334 ON SEP 25	158 ON MAR 15	8 100 000	1974
1975	433 AT 11:28 CST ON JUN 27	428 ON MAY 24	198 ON APR 14	8 400 000	1975
1976	478 AT 22:24 CST ON JUN 2	478 ON JUN 2	183 ON APR 1	10 300 000	1976
1977	646 AT 20:26 CST ON JUL 3 *	637 ON JUN 29 *	280E ON APR 17	14 100 000	1977
1978	464 AT 19:42 CST ON JUN 15	459 ON JUN 13	237E ON MAR 30	10 900 000	1978
1979	464 AT 21:13 CST ON JUN 19	461 ON JUN 19	218 ON MAR 16	9 170 000	1979
1980	310 AT 10:18 CST ON MAY 24	308 ON MAY 24	187 ON MAR 23	7 970 000	1980
1981	409 AT 05:09 CST ON JUN 7	408 ON JUN 5	178 ON MAR 11	7 820 000	1981
1982	423 AT 19:13 CST ON JUN 21	421 ON JUN 21	122 ON MAR 22 *	8 150 000	1982
1983	410 AT 08:03 CST ON JUL 3	402 ON JUL 3	191 ON MAR 1	8 340 000	1983
1984	429 AT 11:25 CST ON JUN 8	428 ON JUN 8	200 ON APR 2	9 580 000	1984
1985	526 AT 00:30 CST ON JUN 2	520 ON MAY 30	184 ON MAR 4	9 810 000	1985
1986	---	527 ON JUN 5	218 ON MAR 17	12 000 000	1986
1987	457 AT 27:09 CST ON JUN 13	445 ON MAY 27	196 ON DEC 30	9 050 000	1987
1988	482 AT 21:21 CST ON JUL 21	467 ON JUN 24	155 ON FEB 23	9 540 000	1988
			MEAN	9 380 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

FOND DU LAC RIVER AT STONY RAPIDS - STATION NO. 07LE001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1946	---	---	---	---	---	---	---	---	238	218	211	198	---	1946
1947	183	167	164	183	268	481	422	385	370	455	514	400	335	1947
1948	367	338	277	269	380	428	430	347	362	441	445	381	368	1948
1949	277	238	218	213	330	520	537	487	440	408	387	342	368	1949
1950	284	217	198	189	337	483	422	389	323	302	288	288	307	1950
1951	231	181	178	251	383	451	387	322	294	249	208	174	273	1951
1952	147	142	172	207	279	278	240	222	232	287	280	247	228	1952
1953	180	148	162	173	228	288	257	215	208	255	288	287	220	1953
1954	209	178	178	182	248	402	347	330	270	238	217	207	251	1954
1955	178	158	189	193	272	531	415	302	247	209	209	202	257	1955
1956	183	184	184	181	213	328	303	320	283	202	185	171	224	1956
1957	148	132	138	174	198	285	320	279	237	232	223	193	211	1957
1958	184	155	155	188	332	478	385	348	385	389	380	275	303	1958
1959	218	194	175	187	306	569	528	400	399	408	359	315	339	1959
1960	288	240	214	217	384	550	780	553	478	437	389	318	407	1960
1961	269	259	245	238	388	581	506	446	429	391	340	288	373	1961
1962	250	212	185	218	398	531	500	391	345	318	298	284	327	1962
1963	240	217	185	177	329	408	378	351	348	---	---	---	---	1963
MEAN	222	198	189	202	307	484	418	368	328	319	307	283	299	MEAN

LOCATION - LAT 59 15 00 N, LONG 105 48 00 W. DRAINAGE AREA, 80 000 km^2. NATURAL FLOW

FOND DU LAC RIVER AT STONY RAPIDS - STATION NO. 07LE001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1946	---	---	---	---	1946
1947	---	558 ON NOV 7	181E ON APR 2	10 800 000	1947
1948	---	479E ON OCT 25	261B ON APR 11	11 800 000	1948
1949	---	586 ON JUL 5	204 ON APR 11	11 800 000	1949
1950	---	498 ON JUN 18	178B ON APR 4	8 870 000	1950
1951	---	481 ON MAY 31	188B ON DEC 31	8 810 000	1951
1952	---	297 ON MAY 27	134B ON FEB 22	7 180 000	1952
1953	---	337 ON NOV 20	137B ON FEB 18	8 930 000	1953
1954	---	418 ON JUN 11	171B ON MAR 17	7 900 000	1954
1955	---	555 ON JUN 18	153B ON FEB 17	8 130 000	1955
1956	---	340E ON AUG 28	154B ON DEC 31	7 080 000	1956
1957	---	328 ON JUL 3	115B ON FEB 28 *	8 850 000	1957
1958	---	498 ON JUN 8	142B ON MAR 14	8 540 000	1958
1959	---	612 ON JUN 21	167B ON MAR 11	10 700 000	1959
1960	---	821 ON JUL 4 *	203A ON APR 15	13 900 000	1960
1961	---	748 ON JUN 8	234B ON APR 7	11 800 000	1961
1962	---	552 ON JUN 18	193B ON APR 2	10 300 000	1962
1963	---	---	---	---	1963
			MEAN	9 490 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

FOSTER RIVER ABOVE CHURCHILL RIVER - STATION NO. 06CE001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1972	---	---	---	---	---	---	---	14.8	11.4	29.0	20.4	13.5	---	1972
1973	10.6	9.88	9.15	10.6	27.5	38.1	48.4	29.7	23.7	20.5	22.9	16.0	22.4	1973
1974	14.1	11.8	10.7	26.7	70.4	41.1	55.8	39.0	29.3	25.1	22.6	18.9	30.8	1974
1975	15.0	13.1	11.0	10.5	43.3	25.5	38.3	32.2	24.9	19.0	14.9	11.3	21.8	1975
1976	10.1	8.06	8.14	8.04	10.1	13.2	188	70.8	37.9	29.2	23.7	18.7	33.9	1976
1977	13.7	11.8	10.7	20.9	39.4	55.3	33.2	22.7	18.5	20.6	16.2	12.1	22.8	1977
1978	10.8	8.40	8.22	8.34	86.7	88.6	41.2	29.3	24.1	40.2	29.9	21.5	30.8	1978
1979	15.9	13.3	11.9	11.6	42.6	48.9	40.1	34.3	40.4	38.4	34.2	22.6	29.9	1979
1980	15.8	13.4	11.3	18.0	21.3	11.8	13.0	16.5	14.5	24.0	18.0	11.9	15.9	1980
1981	10.3	9.40	8.76	8.58	44.8	28.1	20.4	13.9	9.88	8.82	8.19	7.80	15.0	1981
1982	6.51	5.82	5.13	5.30	46.3	45.8	26.5	33.0	20.9	14.2	11.2	9.43	19.2	1982
1983	8.86	8.12	7.88	8.15	17.1	57.5	22.4	13.4	10.9	12.4	11.8	9.89	15.7	1983
1984	8.04	7.45	7.31	13.5	19.8	18.7	13.4	11.0	8.20	8.92	8.27	7.82	10.9	1984
1985	6.81	6.11	5.88	8.57	86.0	32.3	51.2	21.0	14.0	11.7	9.89	7.10	20.2	1985
1986	6.07	5.38	4.85	5.90	35.9	35.7	52.9	46.1	21.9	15.8	12.2	10.5	21.3	1986
1987	8.86	8.48	8.09	18.7	40.9	27.0	18.2	12.6	10.2	8.16	6.89	5.63	14.4	1987
1988	5.07	4.58	4.77	5.30	18.5	18.4	15.9	13.9	12.3	12.4	11.6	11.6	11.1	1988
MEAN	10.6	9.24	8.41	11.8	38.0	35.1	41.0	28.7	20.1	18.8	16.6	12.7	21.0	MEAN

LOCATION - LAT 55 49 30 N DRAINAGE AREA, 6 540 km²
LONG 105 45 30 W NATURAL FLOW

FOSTER RIVER ABOVE CHURCHILL RIVER - STATION NO. 06CE001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1972	---	---	---	---	1972
1973	86.3 AT 19:17 CST ON JUL 12	85.4 ON JUL 12	8.81 ON MAR 26	707 000	1973
1974	142 AT 03:22 CST ON MAY 2	141 ON MAY 2	9.88 ON APR 5	988 000	1974
1975	52.4 AT 22:55 CST ON MAY 8	52.1 ON MAY 8	9.49 ON APR 19	888 000	1975
1976	303 AT 16:15 CST ON JUL 19 *	300 ON JUL 19 *	7.70 ON APR 3	1 070 000	1976
1977	77.0 AT 01:07 CST ON JUN 3	76.7 ON JUN 3	8.87 ON APR 3	718 000	1977
1978	86.3 AT 17:12 CST ON MAY 29	85.4 ON MAY 27	7.87 ON APR 7	887 000	1978
1979	---	72.8E ON MAY 27	10.8 ON APR 16	935 000	1979
1980	37.5 AT 21:30 CST ON APR 28	37.2 ON APR 28	10.5 ON JUN 23	502 000	1980
1981	83.8 AT 04:19 CST ON MAY 14	83.6 ON MAY 14	7.31A ON DEC 31	474 000	1981
1982	88.3 AT 21:42 CST ON MAY 10	88.7 ON MAY 11	4.69A ON APR 4	807 000	1982
1983	90.1 AT 06:30 CST ON JUN 11	89.7 ON JUN 11	7.31 ON APR 10	495 000	1983
1984	26.8 AT 21:09 CST ON MAY 30	26.6 ON MAY 28	8.49 ON OCT 15	344 000	1984
1985	108 AT 14:21 CST ON MAY 12	104 A ON MAY 13	5.75A ON MAR 21	838 000	1985
1986	75.8 AT 15:06 CST ON JUL 23	75.3 ON JUL 23	4.82 ON MAR 24	870 000	1986
1987	55.0 AT 20:27 CST ON MAY 4	54.4 ON MAY 4	5.53 ON DEC 31	455 000	1987
1988	22.1 AT 23:00 CST ON MAY 17	22.0 ON MAY 17	4.50 ON FEB 24 *	349 000	1988
				881 000	MEAN

A - MANUAL GAUGE * - EXTREME RECORDED FOR THE PERIOD OF RECORD
(SEE REFERENCE INDEX) E - ESTIMATED

FRENCHMAN RIVER ABOVE EASTEND RESERVOIR - STATION NO. 11AC018

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1912	---	---	---	---	---	---	0.621	0.480	0.508	0.622	---	---	---	1912
1913	---	---	---	15.6	1.56	1.02	0.667	0.386	0.377	0.486	---	---	---	1913
1914	---	---	1.42	6.69	1.21	0.782	0.202	0.133	0.361	0.623	---	---	1.42	1914
1915	---	---	0.976	8.68	1.39	2.06	1.69	0.782	0.614	0.671	---	---	2.21	1915
1916	---	---	13.1	5.70	3.58	4.48	2.51	1.28	1.04	2.01	---	---	4.22	1916
1917	---	---	0.823	32.9	22.6	5.37	0.898	0.473	0.526	0.522	---	---	7.89	1917
1937	---	---	0.151	3.96	0.713	0.225	0.178	0.061	0.098	0.203	---	---	0.888	1937
1938	---	---	0.856	4.11	1.54	1.02	0.458	0.134	0.130	0.216	---	---	1.02	1938
1939	---	---	5.48	3.29	1.55	2.10	0.702	0.284	0.185	0.298	---	---	1.73	1939
1940	---	---	0.512	10.8	2.13	1.27	0.478	0.211	0.151	0.288	---	---	1.97	1940
1941	---	---	8.04	2.73	0.843	0.528	0.492	0.222	0.240	0.310	---	---	1.88	1941
1942	---	---	0.610	5.58	1.05	3.01	1.07	0.480	0.498	0.478	---	---	1.58	1942
1943	---	---	11.3	8.08	1.14	1.27	0.608	0.985	1.14	0.498	---	---	2.68	1943
1944	---	---	0.818	10.1	0.887	0.676	0.853	1.84	0.438	0.425	---	---	1.98	1944
1945	---	---	8.48	1.45	1.06	0.843	0.671	0.833	0.385	0.312	---	---	1.81	1945
1946	---	---	8.82	2.55	0.874	0.411	0.892	0.138	0.208	0.336	---	---	1.82	1946
1947	---	---	0.417	8.66	1.44	0.773	0.374	0.543	0.218	0.278	---	---	1.88	1947
1948	---	---	0.378	7.08	2.33	0.808	0.631	0.188	0.111	0.208	---	---	1.45	1948
1949	---	---	0.426	2.58	1.11	1.41	1.01	0.240	0.203	0.313	---	---	0.904	1949
1950	---	---	0.273	7.43	1.48	0.678	0.318	0.373	0.223	0.388	---	---	1.38	1950
1951	---	---	0.314	14.9	8.70	1.05	0.884	0.844	0.884	0.434	---	---	3.13	1951
1952	---	---	0.816	38.8	3.02	1.23	0.750	0.440	0.481	0.445	---	---	5.75	1952
1953	---	---	0.748	6.48	4.82	3.74	0.828	0.318	0.209	0.319	---	---	2.11	1953
1954	---	---	0.890	8.80	2.42	2.38	0.702	1.18	1.11	1.38	---	---	2.01	1954
1955	---	---	0.885	24.6	8.71	1.95	2.84	0.849	0.884	0.891	---	---	5.17	1955
1956	---	---	0.728	8.85	2.71	1.85	0.815	0.883	0.412	0.508	---	---	1.78	1956
1957	---	---	0.780	8.22	1.36	1.07	0.817	1.18	0.271	0.422	---	---	1.72	1957
1958	---	---	0.803	12.0	0.895	0.810	1.13	0.837	0.140	0.310	---	---	2.09	1958
1959	---	---	1.72	4.85	1.18	1.40	0.709	0.845	0.238	0.445	---	---	1.39	1959
1960	---	---	10.4	2.88	1.83	1.83	1.01	0.588	0.118	0.261	---	---	2.30	1960
1961	---	---	1.25	1.29	2.00	0.858	0.718	0.170	0.204	0.230	0.284	---	0.853	1961
1962	---	---	2.14	3.85	0.871	0.628	0.447	0.177	0.178	0.312	---	---	1.04	1962
1963	---	---	4.73	2.43	0.887	0.536	0.553	0.188	0.158	0.203	---	---	1.20	1963
1964	---	---	0.840	4.81	2.23	0.811	0.408	0.179	0.274	0.283	---	---	1.18	1964
1965	---	---	0.322	21.3	3.85	1.68	1.36	0.673	0.710	0.884	---	---	3.74	1965
1966	---	---	7.21	4.84	1.78	1.89	0.784	0.413	0.278	0.384	---	---	2.14	1966
MEAN	---	---	2.71	8.83	2.89	1.43	0.815	0.524	0.378	0.481	0.284	---	2.21	MEAN

LOCATION - LAT 49 29 25 N, LONG 109 00 00 W DRAINAGE AREA, 1 500 km² REGULATED INTERNATIONAL GAUGING STATION

FRENCHMAN RIVER ABOVE EASTEND RESERVOIR - STATION NO. 11AC018

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1912	---	---	---	---	1912
1913	---	66.6 ON APR 6	---	---	1913
1914	23.8 ON APR 12	20.9 ON APR 13	0.042 ON AUG 8	28 900	1914
1915	85.2 B ON APR 4	75.9 B ON APR 4	0.2838 ON MAR 22	48 700	1915
1916	---	25.3 ON MAR 27	0.738 ON SEP 23	89 300	1916
1917	118 ON APR 21	114 ON APR 22	0.357 ON AUG 23	183 000	1917
1937	24.9 B ON APR 11	24.8 B ON APR 11	0.011 ON AUG 28 *	14 800	1937
1938	19.1 AT 09:00 MST ON APR 12	18.6 ON APR 12	0.051 ON SEP 4	21 800	1938
1939	28.8 ON MAR 26	28.0 ON MAR 26	0.147 ON AUG 27	38 800	1939
1940	61.7 AT 13:00 MST ON APR 22	59.8 ON APR 22	0.088 ON SEP 4	41 700	1940
1941	43.0 B AT 17:00 MST ON MAR 27	41.3 B ON MAR 27	0.095 ON AUG 23	35 800	1941
1942	20.5 AT 06:00 MST ON JUN 30	17.8 B ON APR 13	0.1988 ON MAR 1	33 500	1942
1943	---	102 ON MAR 28	0.085 ON AUG 11	61 000	1943
1944	76.9 AT 17:00 MST ON APR 15	60.6 ON APR 5	0.2278 ON MAR 1	42 100	1944
1945	42.5 B AT 18:30 MST ON MAR 23	37.9 B ON MAR 23	0.133 ON AUG 28	32 000	1945
1946	38.4 AT 11:30 MST ON MAR 28	32.8 ON MAR 28	0.057 ON AUG 8	32 200	1946
1947	38.8 AT 12:30 MST ON APR 11	32.8 ON APR 11	0.0288 ON MAR 5	35 700	1947
1948	28.7 AT 01:00 MST ON APR 19	24.0 ON APR 19	0.085 ON AUG 27	30 800	1948
1949	12.8 B AT 12:00 MST ON APR 5	8.128 ON APR 9	0.023 ON AUG 18	19 100	1949
1950	87.7 B AT 10:30 MST ON APR 17	46.6 B ON APR 18	0.110 ON SEP 7	28 800	1950
1951	88.8 AT 12:00 MST ON APR 28	78.8 ON APR 28	0.1428 ON MAR 1	88 200	1951
1952	397 A AT 05:00 MST ON APR 16 *	288 ON APR 15 *	0.2838 ON MAR 22	122 000	1952
1953	28.8 AT 07:30 MST ON APR 24	24.6 ON APR 24	0.138 ON SEP 18	44 700	1953
1954	51.0 AT 08:45 MST ON APR 14	32.3 ON APR 14	0.367 ON JUL 28	42 800	1954
1955	84.3 AT 15:30 MST ON APR 10	53.0 ON APR 20	0.3888 ON MAR 1	110 000	1955
1956	35.7 AT 07:00 MST ON APR 15	32.3 ON APR 15	0.345 ON SEP 19	37 400	1956
1957	24.6 AT 06:00 MST ON APR 16	23.2 ON APR 16	0.138 ON AUG 25	38 400	1957
1958	78.8 AT 23:00 MST ON APR 4	68.0 B ON APR 4	0.084 ON AUG 17	44 300	1958
1959	30.6 B AT 19:00 MST ON APR 2	17.4 B ON APR 2	0.169 ON SEP 7	28 800	1959
1960	58.3 AT 15:00 MST ON MAR 27	47.3 B ON MAR 27	0.079 ON SEP 7	48 800	1960
1961	5.928 AT 07:30 MST ON MAR 26	4.59 ON MAY 3	0.017 ON AUG 18	16 100	1961
1962	17.6 B AT 03:00 MST ON APR 6	13.6 B ON APR 6	0.110 ON AUG 18	22 100	1962
1963	30.3 B AT 21:00 MST ON MAR 28	26.9 B ON MAR 28	0.118 ON SEP 8	25 400	1963
1964	18.3 B AT 07:30 MST ON APR 3	14.7 B ON APR 3	0.118 ON AUG 18	24 800	1964
1965	81.6 AT 15:00 MST ON APR 25	58.5 ON APR 25	0.2788 ON MAR 26	78 200	1965
1966	74.2 AT 21:00 MST ON MAR 30	70.5 ON MAR 30	0.238 ON SEP 8	46 300	1966
				46 800	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

FRENCHMAN RIVER AT SO-MILE - STATION NO. 11AC023

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1914	---	---	---	11.0	1.34	0.882	0.096	0.009	0.140	0.411	---	---	---	1914
1915	---	---	---	11.7	1.83	2.88	1.82	0.775	0.807	0.880	---	---	---	1915
1916	---	---	---	11.8	4.22	5.77	7.21	2.07	0.995	2.01	---	---	---	1916
1917	---	---	---	40.5	25.4	3.88	1.17	0.430	0.586	0.858	---	---	---	1917
1918	---	---	---	21.8	4.48	1.72	0.677	0.478	0.242	0.544	---	---	---	1918
1919	---	---	0.198	5.49	1.78	0.508	0.058	0.018	0.189	0.348	---	---	1.08	1919
1920	---	---	2.22	13.7	9.44	2.11	1.18	0.294	0.223	0.348	---	---	3.87	1920
1921	---	---	---	---	2.72	0.818	0.500	0.137	0.278	0.402	---	---	---	1921
1922	---	---	0.074	22.7	10.2	1.70	1.53	0.728	0.385	0.383	---	---	4.87	1922
1923	---	---	0.550	5.94	1.88	3.25	0.973	0.580	0.218	0.331	---	---	1.83	1923
1924	---	---	0.184	5.05	1.74	1.38	0.841	0.485	0.138	0.380	---	---	1.38	1924
1925	---	---	2.38	17.8	2.83	1.83	0.748	0.247	0.300	0.686	---	---	3.32	1925
1926	---	---	10.7	5.38	1.18	0.814	0.387	0.021	0.145	0.311	---	---	2.35	1926
1927	---	---	0.868	28.8	14.8	6.84	3.07	1.33	0.785	0.858	---	---	7.15	1927
1928	---	---	15.0	9.55	3.42	2.48	3.02	0.978	0.700	0.774	---	---	4.48	1928
1929	---	---	1.13	8.17	3.86	2.28	0.844	0.142	0.188	0.405	---	---	2.08	1929
1930	---	1.88	4.33	11.4	2.47	1.08	0.783	0.237	0.294	0.582	---	---	2.83	1930
1931	---	---	1.17	1.88	0.771	---	---	---	---	---	---	---	---	1931
1935	---	---	---	---	---	---	---	---	0	0.001	---	---	---	1935
1936	---	---	0.041	10.8	1.88	0.808	0.071	0	0	0	---	---	1.84	1936
1937	---	---	0.057	3.32	0.344	0.091	0	0	0	0	---	---	0.488	1937
1938	---	---	0.825	4.04	1.82	1.00	1.28	0.024	0	0.074	---	---	1.10	1938
1939	---	---	10.8	3.02	1.72	3.08	0.788	0.102	0	0.070	---	---	2.42	1939
1940	---	---	0.384	12.8	2.88	2.08	0.804	0.118	0.007	0.178	---	---	2.35	1940
1941	---	---	8.77	5.11	0.731	0.357	0.153	0.021	0.010	0.181	---	---	1.82	1941
1942	---	---	1.35	4.88	1.08	1.78	1.88	0.201	0.348	0.588	---	---	1.48	1942
1943	---	---	12.4	14.8	1.32	1.04	0.888	0.482	0.284	0.447	---	---	3.87	1943
1944	---	---	2.83	8.88	1.10	0.880	0.323	0.843	0.828	0.892	---	---	2.08	1944
1845	---	---	10.3	1.70	1.10	0.888	0.212	0.318	0.148	0.224	---	---	1.84	1945
1846	---	---	8.83	2.82	0.744	0.278	0.084	0	0	0.120	---	---	1.28	1946
1847	---	---	1.20	8.88	1.81	0.784	0.218	0.278	0.108	0.102	---	---	1.72	1947
1848	---	---	1.80	7.87	2.74	0.718	0.284	0.188	0	0	---	---	1.85	1948
1849	---	---	0.374	2.40	0.483	0.848	0.574	0.088	0	0.080	---	---	0.884	1949
1850	---	---	0	8.48	2.08	0.478	0.188	0.104	0.011	0	---	---	1.38	1850
1851	---	---	0.384	14.2	11.8	1.18	0.782	0.588	1.08	0.873	---	---	3.78	1851
1852	---	---	---	---	---	2.18	1.88	---	---	---	---	---	---	1852
1853	---	---	---	---	8.87	8.34	---	---	0.182	0.103	---	---	---	1853
1854	---	---	---	---	2.37	2.88	0.888	2.28	---	---	---	---	---	1854
1855	---	---	---	---	10.8	1.81	4.83	---	---	---	---	---	---	1855
1884	---	---	---	---	---	---	---	0.008	0.151	0.210	---	---	---	1884
1885	---	---	---	---	---	1.28	1.81	0.857	1.48	0.734	---	---	---	1885
1886	---	---	---	---	1.80	0.841	0.831	0.471	0.207	0.208	---	---	---	1886
1887	---	---	---	---	---	---	0.378	0.290	0.184	0.355	---	---	---	1887
1888	---	---	---	---	1.32	0.414	0.298	0.278	0.551	0.488	---	---	---	1888
1889	---	---	---	---	2.38	0.848	1.13	0.250	0.183	0.798	---	---	---	1889
1888	---	---	---	---	0.272	0.085	0.008	0	0	0	---	---	---	1888
MEAN	---	1.88	3.44	10.8	3.70	1.87	1.03	0.481	0.287	0.389	---	---	2.37	MEAN

LOCATION - LAT 49 24 37 N DRAINAGE AREA, 3 080 km²
LONG 108 00 45 W REGULATED SINCE 1937

FRENCHMAN RIVER AT SO-MILE - STATION NO. 11AC023

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1914	---	26.8 B ON APR 8	0 ON AUG 18 *	---	1914
1915	88.4 B ON APR 7	84.8 B ON APR 7	---	---	1915
1916	121 ON JUL 3	82.1 ON JUL 3	---	---	1916
1917	112 ON APR 25	109 ON APR 25 *	---	---	1917
1918	---	---	---	---	1918
1919	---	17.0 B ON APR 7	0 ON JUL 30	22 300	1919
1920	71.8 AT 07:00 MST ON APR 23	65.7 ON APR 23	0 B ON MAR 1	77 800	1920
1921	---	---	---	---	1921
1922	77.0 ON APR 28	70.8 ON APR 28	0 B ON MAR 1	88 900	1922
1923	37.9 AT 15:45 MST ON APR 18	27.0 ON APR 18	0.1538 ON MAR 14	38 800	1923
1924	30.6 AT 11:45 MST ON APR 11	28.9 ON APR 11	0 B ON MAR 1	28 800	1924
1925	65.4 AT 13:45 MST ON APR 8	62.0 ON APR 8	0 B ON MAR 1	70 300	1925
1926	53.0 AT 18:00 MST ON MAR 21	49.0 ON MAR 21	0.001 ON AUG 11	48 800	1926
1927	85.6 AT 10:40 MST ON APR 30	83.8 ON APR 30	0 B ON MAR 1	151 000	1927
1928	82.8 B AT 08:00 MST ON MAR 23	70.8 B ON MAR 23	0.5048 ON MAR 1	94 900	1928
1929	24.5 AT 18:00 MST ON APR 24	24.3 ON APR 24	0.025 ON SEP 8	44 100	1929
1930	53.5 AT 18:30 MST ON APR 7	48.1 ON APR 7	0.082 ON SEP 10	55 700	1930
1931	---	6.14 ON APR 4	0.5328 ON MAR 13	---	1931
1935	---	---	0 ON SEP 1	---	1935
1936	30.8 ON APR 17	28.4 ON APR 15	0 B ON MAR 1	34 800	1936
1937	25.6 ON APR 14	24.8 ON APR 14	0 B ON MAR 1	8 910	1937
1938	31.7 A AT 08:00 MST ON APR 14	24.7 A ON APR 14	0 B ON MAR 1	23 300	1938
1939	89.7 B AT 08:00 MST ON MAR 23	54.9 A ON MAR 24	0 B ON MAR 1	51 200	1939
1940	51.5 AT 14:00 MST ON APR 25	48.8 ON APR 25	0.008 ON SEP 8	48 700	1940
1941	43.9 AT 09:00 MST ON MAR 31	41.1 ON MAR 31	E ON AUG 17	40 800	1941
1942	18.1 AT 12:30 MST ON APR 15	15.7 ON APR 15	0.119 ON AUG 6	30 700	1942
1943	85.2 AT 01:00 MST ON APR 4	80.1 ON APR 3	0.119 ON OCT 1	81 900	1943
1944	55.5 AT 21:40 MST ON APR 8	53.8 ON APR 8	0.181 ON JUL 28	43 400	1944
1945	38.2 AT 07:15 MST ON MAR 25	38.2 ON MAR 25	0 E ON AUG 3	36 900	1945
1946	27.4 AT 01:00 MST ON MAR 31	25.6 ON MAR 30	0 ON AUG 2	27 200	1946
1947	30.9 AT 22:30 MST ON APR 13	29.2 ON APR 13	0.0389 ON MAR 1	36 400	1947
1948	24.2 AT 15:00 MST ON APR 21	22.8 ON APR 21	0 ON SEP 2	32 700	1948
1949	8.88 AT 04:30 MST ON APR 12	5.92 ON APR 12	0 B ON MAR 1	12 800	1949
1950	48.5 A ON APR 20	46.9 A ON APR 20	0 B ON MAR 1	29 500	1950
1951	81.4 A AT 07:00 ON MAY 3	58.3 ON MAY 2	0.1984 ON MAR 1	80 300	1951
1952	398 ON APR 17 *	---	---	---	1952
1953	---	---	---	---	1953
1954	---	---	---	---	1954
1955	---	---	---	---	1955
1956	---	---	0 ON AUG 6	---	1956
1985	9.15 AT 17:00 MST ON JUN 29	---	---	---	1985
1986	4.56 AT 23:00 MST ON MAY 8	---	---	---	1986
1987	---	---	---	---	1987
1988	---	---	---	---	1988
1989	5.27 AT 07:27 MST ON MAY 1	---	---	---	1989
1990	---	---	0 E ON JUN 28	---	1990
MEAN				50 300	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

FRENCHMAN RIVER AT BUZZARD'S RANCH - STATION NO. 11AC027

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1914	---	---	---	14.4	1.44	1.38	0.182	0.102	0.157	0.842	---	---	---	1914
1915	---	---	---	14.1	4.87	1.98	1.78	0.838	0.628	0.741	---	---	---	1915
MEAN	---	---	---	14.3	3.08	1.67	0.988	0.518	0.392	0.792	---	---	---	MEAN

LOCATION - LAT 49 08 00 N
LONG 107 24 00 W
DRAINAGE AREA, 5 180 km^2
NATURAL FLOW

FRENCHMAN RIVER AT BUZZARD'S RANCH - STATION NO. 11AC027

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1914	---	33.18 ON APR 7	0 ON AUG 8 *	---	1914
1915	---	44.7 ON APR 10 *	---	---	1915
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

FRENCHMAN RIVER AT DRURY'S RANCH - STATION NO. 11AC040

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1918	---	---	---	3.88	1.06	0.514	0.182	0.101	0.078	0.097	---	---	---	1918
1919	---	---	---	0.718	0.148	0.080	0.018	0.020	0.084	0.059	---	---	---	1919
1920	---	---	0.113	3.53	5.22	0.437	0.223	0.082	0.077	0.095	---	---	1.22	1920
1921	---	---	0.202	2.07	0.718	0.183	0.095	0.084	0.071	0.091	---	---	0.428	1921
1922	---	---	0.027	4.36	3.08	0.411	0.208	0.129	0.101	0.113	---	---	1.04	1922
1923	---	---	0.036	0.841	0.250	0.328	0.145	0.083	0.085	0.095	---	---	0.228	1923
1924	---	---	0.052	0.731	0.132	0.188	0.087	0.041	0.018	0.084	---	---	0.188	1924
1925	---	---	0.080	3.01	0.517	0.258	0.095	0.085	0.105	0.084	---	---	0.523	1925
1926	---	---	0.825	0.394	0.083	0.018	0.005	0.002	0.010	0.040	---	---	0.105	1926
1927	---	---	0.083	3.47	4.87	2.01	0.704	0.385	0.284	0.274	---	---	1.51	1927
1928	---	---	2.78	1.86	0.884	0.572	0.484	0.172	0.127	0.138	---	---	0.902	1928
MEAN	---	---	0.478	2.28	1.55	0.445	0.201	0.100	0.092	0.105	---	---	0.588	MEAN

LOCATION - LAT 49 29 52 N DRAINAGE AREA, 585 km²
LONG 108 19 18 W NATURAL FLOW

FRENCHMAN RIVER AT DRURY'S RANCH - STATION NO. 11AC040

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1918	---	---	---	---	1918
1919	---	---	---	---	1919
1920	---	14.8 ON APR 29	0.045 ON AUG 27	28 500	1920
1921	---	11.5 ON APR 14	0.005 ON SEP 1	9 060	1921
1922	---	33.7 ON APR 23 *	0 B ON MAR 1 *	22 100	1922
1923	---	3.20 ON APR 17	0.0238 ON MAR 1	4 650	1923
1924	---	8.278 ON APR 7	0.003 ON AUG 29	3 280	1924
1925	---	10.6 B ON APR 6	0.0285 ON MAR 1	11 100	1925
1926	---	3.318 ON MAR 18	0 ON JUL 17	3 820	1926
1927	---	18.3 ON APR 28	0.0578 ON MAR 1	32 000	1927
1928	---	14.3 ON MAR 21	0.0718 ON MAR 1	19 100	1928
				14 800	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

FRENCHMAN RIVER AT HIGHWAY NO. 37 - STATION NO. 11AC087

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1983	---	---	---	---	---	1.45	0.521	0.144	0.130	0.143	---	---	---	1983
1984	---	---	---	---	---	0.288	0.500	0.098	0.251	0.304	---	---	---	1984
1985	---	---	---	---	---	---	---	1.02	1.35	0.724	---	---	---	1985
1986	---	---	---	---	---	0.780	0.529	0.881	0.288	0.212	---	---	---	1986
1987	---	---	---	---	---	1.14	0.385	0.398	0.210	0.273	---	---	---	1987
1988	---	---	---	---	1.00	0.288	0.387	0.401	0.518	0.442	---	---	---	1988
1989	---	---	---	---	1.79	0.440	0.989	0.211	0.188	0.759	---	---	---	1989
MEAN	---	---	---	---	1.40	0.728	0.595	0.617	0.413	0.422	---	---	---	MEAN

LOCATION - LAT 49 20 05 N DRAINAGE AREA, 2 350 km²
LONG 108 24 58 W REGULATED SINCE 1985

FRENCHMAN RIVER AT HIGHWAY NO. 37 - STATION NO. 11AC087

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1983	---	---	---	---	1983
1984	---	---	---	---	1984
1985	---	---	---	---	1985
1986	1.85 AT 08:00 MST ON JUL 3	---	---	---	1986
1987	---	---	---	---	1987
1988	2.34 AT 21:00 MST ON JUN 30	---	---	---	1988
1989	---	---	---	---	1989
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

FRENCHMAN RIVER AT HUFF'S RANCH - STATION NO. 11AC010

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1910	---	---	---	---	---	0.209	0.058	0	0	0	---	---	---	1910
MEAN	---	---	---	---	---	0.209	0.058	0	0	0	---	---	---	MEAN

LOCATION - LAT 49 21 47 N
LONG 107 51 30 W NATURAL FLOW

FRENCHMAN RIVER AT HUFF'S RANCH - STATION NO. 11AC010

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1910	---	---	0 ON JUL 25 *	---	1910
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

FRENCHMAN RIVER AT INTERNATIONAL BOUNDARY - STATION NO. 11AC041

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1917	---	---	---	44.8	28.2	4.48	1.38	0.511	0.748	0.784	0.887	---	---	1917
1918	---	---	---	24.1	4.87	1.98	0.851	0.881	0.328	0.850	0.855	---	---	1918
1919	---	---	0.339	8.85	2.15	0.904	0.148	0.100	0	0.185	---	---	1.88	1919
1920	---	---	5.69	14.0	12.2	2.40	1.24	0.328	0.157	0.240	---	---	5.86	1920
1921	---	---	5.32	8.86	3.09	1.78	2.07	0.184	0.237	0.372	---	---	3.79	1921
1922	---	---	---	31.6	15.1	3.87	2.02	0.828	0.300	0.302	---	---	---	1922
1923	---	---	0.802	8.86	3.06	25.1	4.88	1.16	0.227	0.388	---	---	5.43	1923
1924	---	---	0.223	7.72	2.28	3.48	0.858	0.538	0.080	1.39	---	---	1.80	1924
1925	---	---	17.8	34.8	3.89	3.70	0.864	0.348	0.420	0.888	---	---	7.89	1925
1926	---	---	17.4	8.16	1.41	0.804	0.482	0.018	0.281	0.319	---	---	3.24	1926
1927	---	---	2.87	41.3	25.8	13.5	3.28	1.18	0.838	1.01	---	---	11.8	1927
1928	---	---	22.4	13.8	4.00	3.51	3.58	1.21	0.788	0.713	---	---	5.26	1928
1929	---	---	1.33	8.84	4.40	3.43	0.801	0.110	0.010	0.398	---	---	2.00	1929
1930	---	---	11.7	18.4	2.81	0.885	0.727	0.182	0.303	0.444	---	---	4.42	1930
1931	---	---	0.882	1.81	0.828	0.859	1.10	0.058	0.001	0	---	---	0.672	1931
1932	---	---	4.86	7.74	1.74	4.87	0.833	0.827	0.181	0.188	---	---	2.53	1932
1933	---	---	5.51	5.49	2.53	0.852	0.418	0.498	0.053	0.188	---	---	1.84	1933
1934	---	---	2.74	8.08	0.817	0.716	0.132	0	0	0	---	---	1.17	1934
1935	---	---	2.70	10.8	2.14	0.883	1.81	0.274	0	0	---	---	2.27	1935
1936	---	---	0.088	18.7	2.78	0.898	0.027	0	0	0	---	---	2.36	1936
1937	---	---	0.006	1.18	0.072	0.011	1.18	0	0	0.001	---	---	0.288	1937
1938	---	---	2.86	4.42	0.980	1.82	4.23	0.008	0.048	0	---	---	1.75	1938
1939	---	---	18.4	8.00	7.35	18.5	1.84	0.382	0.040	0.024	---	---	6.18	1939
1940	---	---	0.042	20.4	5.08	5.40	0.824	0.182	0.011	0.838	---	---	3.87	1940
1941	---	---	8.80	8.43	0.770	0.806	0.801	0.205	0.182	0.182	---	---	2.72	1941
1942	---	---	4.84	4.89	0.858	4.48	4.08	0.330	0.198	0.205	---	---	2.47	1942
1943	---	---	24.3	28.4	2.23	2.48	1.11	0.124	0.031	0.150	---	---	6.86	1943
1944	---	---	2.76	12.4	1.27	0.949	0.388	0.387	0.281	1.38	---	---	2.38	1944
1945	---	---	8.67	1.70	1.08	0.820	0.475	0.241	0.018	0.005	---	---	1.34	1945
1946	---	---	4.89	3.80	0.888	0.387	0.388	0.017	0	0.208	---	---	1.28	1946
1947	---	---	2.89	10.3	1.86	0.412	0.262	0.248	0.371	0.895	---	---	2.04	1947
1948	---	---	1.48	8.28	2.32	0.942	0.438	0.708	0.082	0	---	---	1.46	1948
1949	---	---	0.872	1.03	0.484	0.207	0.881	0	0	0	---	---	0.378	1949
1950	---	0.018	0.088	23.3	2.88	1.20	0.212	0.487	0.017	0.385	---	---	3.48	1950
1951	---	---	0.185	19.8	18.1	1.28	1.28	0.868	1.87	0.737	---	---	5.24	1951
1952	---	---	0.744	150	4.80	1.84	5.23	1.41	1.83	0.834	---	---	20.8	1952
1953	---	---	1.28	2.03	10.7	11.4	1.48	0.317	0.022	0.074	---	---	3.40	1953
1954	---	---	0.873	20.8	2.98	4.88	1.20	2.82	0.448	2.10	---	---	4.37	1954
1955	---	---	1.18	38.8	18.8	3.05	17.0	1.22	0.868	0.885	---	---	8.84	1955
1956	---	---	2.85	7.18	2.84	1.78	0.714	0.500	0.323	0.177	---	---	1.88	1956
1957	---	---	2.32	7.28	1.88	0.885	0.184	0.040	0.037	0.082	---	---	1.88	1957
1958	---	---	2.00	20.8	1.08	0.894	0.208	0.094	0.038	0.003	---	---	3.04	1958
1959	---	---	8.19	3.84	1.14	1.84	0.807	0.308	0.001	0.042	---	---	1.88	1959
1960	---	---	18.8	8.84	2.30	0.888	0.288	0.218	0.008	0.110	---	---	3.88	1960
1961	---	---	2.87	0.528	0.448	0.288	0.023	0.033	0	0	---	---	0.843	1961
1962	---	---	2.18	4.00	1.22	1.12	8.73	0.475	0.087	0.358	---	---	2.28	1962
1963	---	---	8.38	4.48	0.811	3.00	1.28	0.818	0.188	0.018	---	---	1.87	1963
1964	---	---	0.318	1.28	2.10	0.708	0.808	0.008	0.108	0	---	---	0.838	1964
1965	---	---	0.073	14.4	13.8	3.20	1.70	0.833	0.288	2.20	---	---	4.48	1965
1966	---	---	10.3	8.87	2.43	0.921	0.813	0.882	0.487	0.078	---	---	3.14	1966
1967	---	---	1.43	17.3	17.8	3.32	0.833	0.312	0.338	0.288	---	---	5.11	1967
1968	---	---	4.17	3.07	1.47	0.894	0.333	0.308	0.101	0.074	---	---	1.38	1968
1969	---	---	0.284	18.1	4.88	1.31	0.812	0.714	0.183	0.293	---	---	3.38	1969
1970	---	---	0.784	23.7	10.1	2.48	0.774	0.887	0.183	0.138	---	---	4.84	1970
1971	---	---	0.218	7.28	5.28	0.830	0.878	0.407	0.180	0.088	---	---	1.88	1971
1972	---	---	2.48	4.08	0.780	1.18	0.888	0.233	0.005	0.077	---	---	1.18	1972
1973	---	---	1.62	1.28	0.888	0.807	1.13	0.172	0.004	0	---	---	0.895	1973
1974	---	---	2.78	12.1	8.08	3.24	0.840	0.807	0	0.238	---	---	3.87	1974
1975	---	---	0.308	8.87	11.3	1.88	1.05	0.815	0.184	0.808	---	---	3.87	1975
1976	---	---	18.4	8.27	0.744	1.03	0.884	0.804	0.007	0.087	---	---	3.48	1976
1977	---	---	0.313	0.847	1.23	0.288	0.271	0.322	0.022	0.048	---	---	0.381	1977
1978	---	---	2.82	8.34	2.47	0.858	0.881	0.828	0.025	0.228	---	---	1.85	1978
1979	---	---	1.88	21.3	3.89	0.888	1.70	0.282	0.148	0.001	---	---	3.85	1979
1980	---	---	1.31	2.48	1.82	0.128	0.300	0.486	0.098	0.082	---	---	0.840	1980
1981	---	---	0.332	0.380	0.884	0.844	0.688	0.048	0	0	---	---	0.382	1981
1982	---	---	4.06	18.0	3.83	4.88	1.83	0.873	0.080	0.277	---	---	3.80	1982
1983	---	---	1.82	2.33	2.44	0.794	0.572	0.405	0.002	0.321	---	---	1.09	1983
1984	---	---	0.258	0.231	0.888	0.880	0.001	0	0	0	---	---	0.258	1984
1985	---	---	0.082	4.17	3.32	0.785	0.015	0.008	0.088	0.010	---	---	1.05	1985
1986	---	---	18.4	1.37	4.31	0.894	0.388	0.121	0.245	0.815	---	---	3.80	1986
1987	---	---	12.8	8.58	0.888	0.173	1.75	0.418	0.043	0.088	---	---	2.81	1987
1988	---	---	0.180	0.048	0.281	1.20	0.808	0.002	0	0	---	---	0.288	1988
MEAN	---	0.018	4.88	12.8	4.48	2.44	1.40	0.430	0.188	0.321	0.808	---	3.13	MEAN

LOCATION - LAT 48 00 00 N DRAINAGE AREA, 5 810 km^2 INTERNATIONAL GAUGING STATION
LONG 107 18 08 W REGULATED SINCE 1937

FRENCHMAN RIVER AT INTERNATIONAL BOUNDARY - STATION NO. 11AC041

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1917	78.7 ON APR 30	77.0 ON APR 24	---	---	1917
1918	53.4 ON APR 8	50.8 ON APR 6	---	---	1918
1919	30.0 ON APR 5	27.8 ON APR 5	0 ON JUL 26 *	35 500	1919
1920	47.0 AT 16:00 MST ON MAY 10	32.8 ON APR 27	5 B ON MAR 1	89 100	1920
1921	25.0 AT 19:00 MST ON APR 19	24.1 ON APR 19	0 ON AUG 30	59 200	1921
1922	70.2 B AT 13:00 MST ON APR 6	59.4 B ON APR 6	---	---	1922
1923	82.7 AT 11:00 MST ON JUN 23	78.3 ON JUN 23	0.113 ON SEP 21	118 000	1923
1924	21.1 AT 24:00 MST ON APR 14	20.0 ON APR 14	0 B ON MAR 1	40 300	1924
1925	154 AT 14:00 MST ON MAR 28	138 ON MAR 28	0.0288 ON MAR 1	183 000	1925
1926	40.8 AT 08:30 MST ON MAR 19	38.8 ON MAR 19	0 ON SEP 1	88 800	1926
1927	95.4 AT 11:00 MST ON APR 10	92.3 ON APR 10	0 B ON MAR 1	248 000	1927
1928	140 AT 08:00 MST ON MAR 25	123 ON MAR 25	0.5818 ON MAR 1	133 000	1928
1929	18.0 AT 08:30 MST ON APR 29	17.8 ON APR 29	0 ON SEP 3	42 300	1929
1930	37.9 AT 01:00 MST ON APR 5	36.2 ON APR 5	0.020 ON SEP 20	83 500	1930
1931	15.2 AT 23:30 MST ON JUN 29	11.8 ON JUL 1	0 ON AUG 15	14 200	1931
1932	35.7 AT 20:00 MST ON AUG 11	22.1 ON JUN 12	0 ON AUG 18	53 700	1932
1933	21.0 B AT 03:00 MST ON MAR 30	20.0 B ON MAR 30	0 A ON JUL 24	41 000	1933
1934	13.9 AT 13:30 MST ON APR 12	12.8 ON APR 12	0 A ON JUL 21	24 800	1934
1935	23.7 AT 21:00 MST ON APR 24	23.1 ON APR 24	0 B ON MAR 1	48 000	1935
1936	37.1 AT 02:00 MST ON APR 15	36.2 ON APR 15	0 ON MAR 1	50 100	1936
1937	5.83 AT 23:00 MST ON JUL 14	4.84 ON JUL 13	0 A ON MAR 1	6 330	1937
1938	50.7 AT 13:00 MST ON JUL 5	20.8 ON JUL 5	0 B ON MAR 1	37 100	1938
1939	84.7 A AT 08:00 MST ON MAR 27	81.8 A ON MAR 27	0 ON MAR 1	130 000	1939
1940	54.7 AT 20:30 MST ON APR 28	54.4 ON APR 28	0 ON SEP 14	84 100	1940
1941	48.0 AT 13:30 MST ON MAR 25	43.8 ON MAR 25	0.003 ON SEP 8	57 500	1941
1942	45.0 AT 16:00 MST ON JUN 28	27.0 ON JUN 28	0.014 ON SEP 14	52 300	1942
1943	188 AT 08:20 MST ON MAR 30	188 ON MAR 30	0.003 ON OCT 8	147 000	1943
1944	28.4 B AT 17:15 MST ON APR 3	28.3 A ON APR 14	0.083A ON OCT 28	60 500	1944
1945	17.7 AT 08:15 MST ON APR 1	17.3 ON APR 1	0 ON SEP 14	28 400	1945
1946	20.8 B AT 15:30 MST ON MAR 16	19.3 B ON MAR 16	0 ON AUG 18	26 500	1946
1947	21.1 B AT 14:30 MST ON APR 4	17.6 ON APR 15	0 ON AUG 31	43 200	1947
1948	46.2 AT 18:00 MST ON AUG 8	18.6 ON APR 27	0 E ON OCT 1	31 000	1948
1949	5.448 AT 07:30 MST ON APR 5	4.305 ON APR 5	0 B ON MAR 1	8 010	1949
1950	81.3 AT 05:00 MST ON APR 17	68.3 ON APR 17	0 B ON MAR 8	73 800	1950
1951	85.2 AT 03:00 MST ON MAY 7	55.2 ON MAY 7	0.0858 ON MAR 1	111 000	1951
1952	643 AT 15:00 MST ON APR 15 *	544 ON APR 15 *	0.170 ON OCT 29	434 000	1952
1953	37.1 E AT 11:00 ON MAY 30	34.8 E ON MAY 30	0.008 ON OCT 5	72 000	1953
1954	84.3 AT 12:00 ON APR 8	82.7 ON APR 8	0.248 ON SEP 24	92 800	1954
1955	85.2 ON APR 20	54.4 ON APR 20	0.2838 ON MAR 19	211 000	1955
1956	22.3 AT 05:00 ON APR 23	21.0 ON APR 22	0.034 ON OCT 23	41 800	1956
1957	15.6 AT 15:00 ON APR 13	15.4 ON APR 13	0 ON AUG 24	22 700	1957
1958	50.4 AT 01:00 ON APR 10	48.6 ON APR 10	0 ON SEP 1	84 300	1958
1959	52.1 B AT 10:00 ON MAR 28	46.7 B ON MAR 28	0 ON SEP 7	41 200	1959
1960	73.6 B AT 05:00 ON MAR 28	67.7 B ON MAR 28	0 ON SEP 18	75 400	1960
1961	---	18.7 B ON MAR 19	0 ON JUL 18	11 500	1961
1962	78.3 E ON JUL 15	50.1 E ON JUL 15	0 B ON MAR 1	48 300	1962
1963	26.4 AT 18:00 ON JUN 8	20.3 ON APR 3	0 ON OCT 8	41 800	1963
1964	5.27 AT 17:00 ON APR 30	5.21 ON APR 30	0 ON JUL 27	13 300	1964
1965	46.4 AT 09:00 ON MAY 4	45.8 ON MAY 4	0.0878 ON MAR 1	85 000	1965
1966	46.3 AT 10:00 ON APR 7	44.5 ON APR 7	0.006 ON SEP 8	88 800	1966
1967	44.7 AT 05:00 ON APR 17	44.2 ON APR 17	0.011 ON OCT 22	106 000	1967
1968	18.1 AT 15:00 MST ON APR 3	17.8 ON APR 3	0.003 ON SEP 13	27 100	1968
1969	58.8 AT 08:00 MST ON APR 8	52.4 ON APR 8	0.046 ON OCT 1	71 500	1969
1970	48.4 AT 13:30 MST ON APR 8	43.6 ON APR 8	0.018 ON SEP 28	102 000	1970
1971	25.8 AT 05:25 CST ON MAY 4	24.1 ON MAY 3	0.018 ON AUG 23	39 400	1971
1972	12.4 B AT 14:10 CST ON MAR 21	11.1 B ON MAR 20	0 ON SEP 8	25 000	1972
1973	7.118 AT 11:00 CST ON MAR 6	6.26 ON APR 29	0 ON AUG 20	14 700	1973
1974	38.2 B AT 10:26 CST ON APR 5	33.7 B ON APR 3	0 ON SEP 8	75 700	1974
1975	51.0 AT 11:33 CST ON MAY 6	34.8 ON MAY 6	0.089 ON OCT 1	80 700	1975
1976	48.1 B AT 00:30 CST ON MAR 29	48.2 B ON MAR 28	0 ON SEP 13	73 900	1976
1977	2.47 AT 01:00 CST ON APR 9	2.02 ON MAY 20	0 ON SEP 13	8 270	1977
1978	38.0 B AT 02:48 CST ON MAR 31	32.6 B ON MAR 31	0 ON SEP 8	41 300	1978
1979	48.2 AT 10:00 CST ON APR 27	45.5 ON APR 27	0 ON AUG 22	77 300	1979
1980	11.3 B AT 16:00 MST ON APR 9	8.788 ON MAR 31	0 ON JUL 16	17 800	1980
1981	3.19 AT 17:00 CST ON JUN 1	2.10 ON JUN 1	0 ON JUL 7	8 310	1981
1982	36.1 AT 10:00 CST ON APR 15	35.0 ON APR 15	0 ON OCT 16	82 500	1982
1983	9.00 AT 08:00 CST ON MAY 17	8.10 ON APR 2	0 ON AUG 31	23 000	1983
1984	1.82 AT 10:00 CST ON MAY 22	1.73 ON MAY 22	0 ON JUL 5	5 840	1984
1985	16.5 AT 16:30 CST ON APR 23	15.7 ON APR 23	0 ON MAR 1	22 200	1985
1986	58.3 AT 23:59 CST ON MAR 9	54.1 ON MAR 9	0 ON SEP 7	74 100	1986
1987	32.4 B AT 09:15 CST ON MAR 8	30.3 B ON MAR 8	0.005 ON JUL 12	59 500	1987
1988	4.67 AT 11:00 CST ON JUL 6	4.35 ON JUL 6	0 ON AUG 12	8 050	1988
				68 400	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

FRENCHMAN RIVER AT RAVENSCRAG - STATION NO. 11AC017

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1913	---	---	---	---	---	0.534	0.482	0.282	0.148	0.208	---	---	---	1913
1929	---	---	0.270	6.64	2.44	1.36	0.388	0.038	0.087	0.117	---	---	---	1929
1930	---	---	1.16	12.1	1.20	0.812	0.372	0.120	0.131	0.178	---	---	---	1930
1931	---	---	0.823	0.841	0.487	---	---	---	---	---	---	---	---	1931
1938	---	---	---	---	---	---	---	---	0.004	0.044	---	---	---	1938
1939	---	---	0.068	7.57	1.17	0.252	---	---	---	---	---	---	---	1939
MEAN	---	---	0.508	6.74	1.33	0.685	0.407	0.147	0.085	0.137	---	---	---	MEAN

LOCATION - LAT 49 20 30 N, LONG 108 05 16 W
DRAINAGE AREA, 1 180 km^2
REGULATED

FRENCHMAN RIVER AT RAVENSCRAG - STATION NO. 11AC017

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1913	---	---	---	---	1913
1929	---	28.0 ON APR 22	---	---	1929
1930	---	49.08 ON APR 4 *	---	---	1930
1931	---	---	---	---	1931
1935	---	---	0 ON SEP 17 *	---	1935
1936	---	19.3E ON APR 14	---	---	1936
	B - ICE CONDITIONS E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD	---	---	MEAN

FRENCHMAN RIVER AT WALKER'S - STATION NO. 11AC029

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1918	---	---	---	38.0	8.04	8.00	14.5	2.62	1.23	1.08	---	---	---	1918
1965	---	---	---	---	---	---	---	0.649	0.381	2.27	---	---	---	1965
1966	---	---	---	---	2.27	0.885	---	0.525	0.490	0.090	---	---	---	1966
1967	---	---	---	---	---	---	0.995	0.359	0.243	0.192	---	---	---	1967
1968	---	---	---	---	1.49	0.632	0.366	0.354	0.574	0.100	---	---	---	1968
1969	---	---	---	---	---	1.26	0.875	0.745	0.210	0.302	---	---	---	1969
MEAN	---	---	---	38.0	3.27	2.95	4.08	0.859	0.435	0.809	---	---	---	MEAN

LOCATION - LAT 49 03 05 N DRAINAGE AREA, 5 380 km^3
LONG 107 21 14 W REGULATED

FRENCHMAN RIVER AT WALKER'S - STATION NO. 11AC029

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1918	---	1488 ON MAR 30 *	---	---	1918
1965	---	---	---	---	1965
1966	---	---	---	---	1966
1967	---	---	0 ON SEP 28 *	---	1967
1968	---	---	0 ON SEP 15	---	1968
1969	---	---	---	---	1969
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD	---	---	MEAN

FRENCHMAN RIVER BELOW EASTEND IRRIGATION PROJECT - STATION NO. 11AC057

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1937	---	---	---	---	---	0.165	0.110	0.054	0.061	0.143	---	---	---	1937
1938	---	---	---	---	1.87	0.834	1.08	0.131	0.053	0.318	---	---	---	1938
1939	---	---	6.26	2.81	1.41	1.73	0.370	0.166	0.047	0.375	---	---	1.90	1939
1940	---	---	0.455	12.3	1.88	1.05	0.402	0.182	0.083	0.308	---	---	2.05	1940
1941	---	---	7.71	2.88	0.518	0.308	0.240	0.047	0.185	0.285	---	---	1.83	1941
1942	---	---	0.778	5.04	1.12	2.14	1.80	0.348	0.881	0.880	---	---	1.87	1942
1943	---	---	11.8	9.84	0.918	1.01	0.820	0.587	0.400	0.058	---	---	3.19	1943
1944	---	---	1.05	9.89	0.777	0.337	0.472	0.881	1.28	0.000	---	---	1.85	1944
1945	---	---	8.05	1.41	0.872	0.880	0.352	0.441	0.180	0.272	---	---	1.82	1945
1946	---	---	8.81	2.18	0.435	0.203	0.061	0.118	0.147	0.328	---	---	1.30	1946
1947	---	---	0.800	8.80	1.02	0.417	0.218	0.235	0.226	0.188	---	---	1.85	1947
1948	---	---	0.884	8.85	2.36	0.398	0.142	0.178	0.045	0.124	---	---	1.30	1948
1949	---	---	0.377	1.78	0.845	0.824	0.880	0.117	0.048	0.238	---	---	0.884	1949
1950	---	---	0.284	7.87	1.80	0.274	0.139	0.093	0.043	0.048	---	---	1.28	1950
1951	---	---	0.135	12.8	8.00	0.733	0.821	0.785	0.818	0.840	---	---	3.08	1951
1952	---	---	---	---	3.38	1.82	0.958	0.478	0.810	0.425	---	---	---	1952
1953	---	---	---	---	4.06	4.25	0.778	0.418	0.844	0.241	---	---	---	1953
1954	---	---	---	---	1.91	2.41	0.338	1.89	1.35	1.32	---	---	---	1954
1955	---	---	---	---	10.1	1.43	3.90	1.48	0.484	---	---	---	---	1955
1962	---	---	---	---	---	---	0.481	0.200	0.482	---	---	---	---	1962
1963	---	---	---	---	---	0.839	0.839	0.229	0.178	0.205	---	---	---	1963
1964	---	---	---	---	---	0.327	0.552	0.127	0.257	0.284	---	---	---	1964
1965	---	---	---	---	---	1.27	1.82	0.921	1.29	0.847	---	---	---	1965
1966	---	---	---	---	1.89	0.783	0.745	0.892	0.187	0.141	---	---	---	1966
1967	---	---	---	---	---	1.00	0.387	0.424	0.242	0.398	---	---	---	1967
1968	---	---	---	---	0.995	0.339	0.405	0.391	0.594	0.513	---	---	---	1968
1969	---	---	---	---	1.81	0.447	0.943	0.243	0.368	0.811	---	---	---	1969
1970	---	---	---	---	7.93	1.38	0.858	0.830	0.372	0.484	---	---	---	1970
1971	---	---	---	---	2.39	0.382	0.232	0.381	0.388	1.87	---	---	---	1971
1972	---	---	---	---	0.722	1.18	0.878	0.182	0.218	---	---	---	---	1972
1973	---	---	---	3.63	2.52	1.48	0.334	0.186	0.177	0.308	---	---	---	1973
1974	---	---	---	---	3.14	0.848	0.323	0.728	0.334	0.423	---	---	---	1974
1975	---	---	---	---	---	1.32	0.403	0.387	1.00	0.758	---	---	---	1975
MEAN	---	---	3.61	6.29	2.44	1.00	0.870	0.418	0.404	0.448	---	---	1.74	MEAN

LOCATION - LAT 49 24 34 N DRAINAGE AREA, 2 140 km^3 INTERNATIONAL GAUGING STATION
LONG 108 38 06 W REGULATED SINCE 1937

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1937	---	---	0 ON AUG 25 *	---	1937
1938	---	---	0 ON SEP 25	---	1938
1939	---	81.7 ON MAR 22	0.011 ON SEP 8	40 200	1939
1940	---	85.4 ON APR 23	0.008 ON SEP 30	43 200	1940
1941	---	37.7 B ON MAR 26	0.023 ON AUG 23	32 400	1941
1942	19.1 AT 19:00 ON JUL 1	18.3 ON APR 14	0.204 ON JUL 23	33 300	1942
1943	88.0 B ON MAR 31	81.5 B ON MAR 31 *	0.175 ON AUG 15	87 500	1943
1944	85.7 B AT 19:30 ON APR 8	84.0 B ON APR 8	0.218 ON JUN 7	39 200	1944
1945	50.4 AT 10:30 ON MAR 24	45.9 ON MAR 24	0 ON JUL 30	33 300	1945
1946	34.5 AT 08:00 ON MAR 29	31.4 ON MAR 29	0 A ON JUL 25	27 800	1946
1947	44.5 B AT 09:20 ON APR 11	30.3 B ON APR 12	0.028B ON MAR 1	32 800	1947
1948	27.4 AT 21:00 ON APR 19	23.5 ON APR 19	0.017 ON SEP 13	27 500	1948
1949	8.04A AT 08:00 ON APR 10	6.29A ON APR 10	0.028B ON MAR 1	12 400	1949
1950	80.6 AT 01:00 ON APR 19	43.0 B ON APR 18	0.028A ON AUG 2	25 700	1950
1951	88.2 AT 05:30 ON APR 30	87.7 ON APR 30	0.011 ON SEP 19	84 700	1951
1952	340 ON APR 18 *	---	---	---	1952
1953	---	13.3 ON JUN 6	---	---	1953
1954	---	---	---	---	1954
1955	---	---	---	---	1955
1956	---	---	---	---	1956
1957	---	---	---	---	1957
1958	---	---	---	---	1958
1959	---	---	---	---	1959
1960	---	---	---	---	1960
1961	---	---	---	---	1961
1962	---	---	---	---	1962
1963	---	---	---	---	1963
1964	---	---	---	---	1964
1965	---	---	---	---	1965
1966	---	---	---	---	1966
1967	---	---	---	---	1967
1968	---	---	---	---	1968
1969	---	---	---	---	1969
1970	---	---	---	---	1970
1971	---	---	---	---	1971
1972	---	---	0 ON AUG 28	---	1972
1973	9.81 AT 01:50 CST ON JUN 18	7.31 ON APR 28	---	---	1973
1974	11.6 AT 17:30 CST ON MAY 28	11.2 ON MAY 28	0.184 ON JUL 21	---	1974
1975	---	---	---	---	1975
				38 900	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

FRENCHMAN RIVER BELOW EASTEND RESERVOIR - STATION NO. 11AC001

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1909	---	---	---	---	7.15	5.71	3.82	0.751	0.479	1.16	---	---	---	1909
1910	---	---	---	---	0.888	0.284	0.131	0.008	0.020	0.021	---	---	---	1910
1911	---	---	---	11.3	2.21	1.32	0.881	0.485	0.589	0.900	---	---	---	1911
1912	---	---	---	30.0	4.91	1.58	0.291	0.216	0.795	0.521	---	---	---	1912
1913	---	---	---	14.5	2.19	1.08	0.600	0.378	---	---	---	---	---	1913
1914	---	---	1.50	7.27	0.733	0.483	0.092	0.081	0.285	0.512	---	---	1.34	1914
1915	---	---	1.03	9.07	1.22	2.20	1.65	0.878	0.874	0.723	---	---	2.29	1915
1916	---	---	---	5.56	3.89	4.25	2.32	1.23	0.894	1.03	---	---	---	1916
1918	---	---	11.8	17.2	3.90	1.42	0.831	0.478	0.354	0.483	---	---	4.47	1918
1919	---	---	0.269	5.05	1.45	0.422	0.117	0.027	0.349	0.336	---	---	0.992	1919
1920	---	---	0.615	15.7	6.35	1.41	0.723	0.253	0.292	0.332	---	---	3.45	1920
1921	---	---	1.89	9.37	2.40	0.844	0.268	0.218	0.354	0.386	---	---	1.90	1921
1922	---	---	0.306	22.3	8.98	1.19	0.883	0.458	0.288	0.485	---	---	4.32	1922
1923	---	---	0.313	5.78	1.55	1.81	0.610	0.439	0.333	0.474	---	---	1.38	1923
1924	---	---	0.412	4.08	1.38	1.32	0.396	0.326	0.183	0.378	---	---	1.04	1924
1925	---	---	1.84	19.3	2.03	1.36	0.385	0.303	0.307	0.873	---	---	3.19	1925
1926	---	---	5.31	3.90	0.741	0.475	0.188	0.180	0.410	0.515	---	---	1.48	1926
1927	---	---	0.272	21.6	13.6	5.26	2.48	1.18	0.877	0.838	---	---	5.78	1927
1928	---	---	11.1	5.75	2.83	2.03	1.78	0.897	0.808	0.844	---	---	3.14	1928
1929	---	---	0.481	8.17	3.48	2.00	0.828	0.252	0.340	0.808	---	---	1.97	1929
1930	---	---	1.16	12.0	1.75	0.872	0.855	0.300	0.405	0.490	---	---	2.18	1930
1931	---	---	0.902	1.07	1.05	---	---	---	---	---	---	---	---	1931
1935	---	---	---	---	---	---	---	---	---	0.255	---	---	---	1935
1936	---	---	0.210	5.85	1.72	0.483	0.074	0	0	0	---	---	1.37	1936
1939	---	---	---	2.88	1.75	2.08	0.284	0.103	0.038	0.334	---	---	---	1939
1940	---	---	0.842	11.0	1.72	0.788	0.228	0.072	0.041	0.314	---	---	1.80	1940
1941	---	---	7.80	1.83	0.268	0.138	0.107	0.025	0.188	0.388	---	---	1.36	1941
1942	---	---	0.848	4.79	0.880	1.85	1.01	0.227	0.482	0.738	---	---	1.38	1942
1943	---	---	12.0	5.81	0.738	0.874	0.513	0.401	0.382	0.439	---	---	2.80	1943
1944	---	---	0.787	9.49	0.842	0.087	0.221	0.728	0.829	0.842	---	---	1.88	1944
1945	---	---	7.32	1.83	0.842	0.385	0.134	0.308	0.148	0.288	---	---	1.34	1945
1946	---	---	8.88	2.23	0.283	0.048	0.014	0.052	0.181	0.308	---	---	1.28	1946
1947	---	---	0.618	8.00	0.847	0.333	0.088	0.138	0.200	0.284	---	---	1.42	1947
1948	---	---	0.588	8.18	2.01	0.188	0.072	0.118	0.040	0.123	---	---	1.18	1948
1949	---	---	0.282	1.74	0.448	0.811	0.872	0.048	0.088	0.302	---	---	0.548	1949
1950	---	---	0.284	8.59	1.33	0.088	0.070	0.042	0.038	0.078	---	---	1.08	1950
1951	---	---	0.271	13.3	5.38	0.882	0.514	0.835	0.778	0.588	---	---	2.88	1951
1952	---	---	0.714	41.1	3.12	1.73	1.08	0.488	0.833	0.400	---	---	6.03	1952
1953	---	---	0.718	8.19	4.40	3.84	0.840	0.248	0.187	0.311	---	---	2.02	1953
1954	---	---	0.807	5.87	2.19	2.31	0.288	1.43	1.08	1.30	---	---	1.84	1954
1955	---	---	0.890	28.8	8.26	1.06	2.85	1.23	0.480	0.834	---	---	5.15	1955
1956	---	---	0.783	8.27	2.23	0.706	0.778	0.240	0.814	0.588	---	---	1.81	1956
1957	---	---	0.644	7.78	0.887	0.327	0.420	0.888	0.247	0.411	---	---	1.43	1957
1958	---	---	0.880	11.7	0.885	0.188	0.545	0.489	0.128	0.278	---	---	1.82	1958
1959	---	---	2.33	4.23	0.848	0.371	0.813	0.040	0.101	0.889	---	---	1.13	1959
1960	---	---	0.88	2.12	1.18	0.988	0.140	0.120	0.148	0.208	---	---	1.83	1960
1961	---	---	1.00	0.888	0.880	0.173	0.118	0.081	0.070	0.188	---	---	0.464	1961
1962	---	---	1.89	3.33	0.088	0.343	0.228	0.108	0.802	0.380	---	---	0.833	1962
1963	---	---	4.23	1.78	0.207	0.258	0.487	0.088	0.152	0.177	---	---	0.827	1963
1964	---	---	0.512	3.38	1.53	0.105	0.453	0.118	0.291	0.315	---	---	0.838	1964
1965	---	---	0.321	19.3	2.90	0.728	1.21	0.858	1.08	0.878	---	---	3.34	1965
1966	---	---	8.71	3.86	1.49	0.410	0.800	0.308	0.218	0.200	---	---	1.74	1966
1967	---	---	0.888	4.71	15.3	0.831	0.152	0.288	0.188	0.434	---	---	2.80	1967
1968	---	---	5.30	2.81	0.740	0.188	0.348	0.352	0.880	0.485	---	---	1.31	1968
1969	---	---	0.484	7.88	1.33	0.087	0.388	0.100	0.148	0.788	---	---	1.38	1969
1970	---	---	0.888	14.4	8.88	0.908	0.878	0.840	0.340	0.428	---	---	3.08	1970
1971	---	---	0.885	8.18	2.26	0.282	0.174	0.138	0.801	0.801	---	---	1.34	1971
1972	---	---	8.88	3.24	0.448	0.881	0.288	0.138	0.182	0.448	---	---	1.88	1972
1973	---	---	0.778	3.80	2.08	0.707	0.271	0.104	0.288	0.382	---	---	1.00	1973
1974	---	---	0.783	4.22	3.48	0.780	0.184	0.844	0.287	0.374	---	---	1.33	1974
1975	---	---	0.287	4.17	8.81	1.03	0.358	0.131	0.878	0.787	---	---	1.70	1975
1976	---	---	4.88	4.25	0.283	0.088	0.178	0.171	0.217	0.488	---	---	1.33	1976
1977	---	---	0.805	4.68	0.718	0.278	1.23	0.828	0.111	0.318	---	---	1.08	1977
1978	---	---	0.820	3.88	1.47	0.148	0.298	0.108	0.884	0.842	---	---	1.01	1978
1979	---	---	3.81	11.3	1.30	0.200	0.178	0.111	0.182	0.388	---	---	2.18	1979
1980	---	---	0.481	2.21	0.328	1.80	0.307	0.178	0.174	0.383	---	---	0.883	1980
1981	---	---	0.578	0.238	0.119	0.301	0.323	0.108	0.047	0.218	---	---	0.241	1981
1982	---	---	0.328	3.83	1.78	2.78	1.31	0.348	0.380	0.334	---	---	1.38	1982
1983	---	---	1.82	2.10	1.88	0.320	1.18	0.288	0.818	0.840	---	---	1.08	1983
1984	---	---	0.844	1.17	0.418	0.287	0.088	0.047	0.107	0.388	---	---	0.381	1984
1985	---	---	1.18	12.7	0.822	0.272	0.110	0.138	0.388	0.888	---	---	1.98	1985
1986	---	2.87	8.77	0.884	1.78	0.073	0.081	0.182	0.888	0.783	---	---	1.31	1986
1987	---	---	8.01	3.87	0.328	0.084	0.107	0.132	0.787	0.088	---	---	1.38	1987
1988	---	---	1.80	1.14	0.138	0.078	0.082	0.031	0.048	0.248	---	---	0.418	1988
MEAN	---	2.87	2.31	7.90	2.43	0.884	0.883	0.327	0.387	0.473	---	---	1.83	MEAN

LOCATION - LAT 49 30 54 N DRAINAGE AREA, 1 800 km² INTERNATIONAL GAUGING STATION
LONG 108 50 15 W REGULATED SINCE 1937

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1909	---	---	---	---	1909
1910	---	---	---	---	1910
1911	54.1 ON APR 11	53.0 ON APR 11	---	---	1911
1912	198 B ON APR 10	170 B ON APR 11	---	---	1912
1913	66.8 B ON APR 8	66.3 B ON APR 8	---	---	1913
1914	28.6 ON APR 13	24.1 ON APR 13	0.023E ON JUL 12	28 400	1914
1915	86.1 ON APR 4	75.6 ON APR 4	0.377 ON MAY 7	48 800	1915
1916	---	---	---	---	1916
1917	---	56.8 ON APR 10	0.289E ON SEP 8	84 000	1917
1918	18.7 ON APR 3	17.0 ON APR 3	0 ON AUG 5 *	21 000	1918
1920	86.1 AT 13:45 ON APR 21	59.5 ON APR 21	0.106 ON AUG 27	73 100	1920
1921	47.3 AT 13:50 ON APR 14	47.3 ON APR 14	0.018B ON MAR 14	40 200	1921
1922	103 ON APR 23	91.7 ON APR 23	0.085B ON MAR 1	81 400	1922
1923	28.3 B ON APR 15	26.7 B ON APR 16	0.125B ON MAR 4	29 100	1923
1924	27.1 B AT 17:30 ON APR 8	26.1 B ON APR 8	0.142 ON AUG 29	22 000	1924
1925	81.6 B AT 08:30 ON APR 8	72.2 B ON APR 8	0.142 ON SEP 10	67 400	1925
1926	40.2 B ON MAR 19	32.3 B ON MAR 19	0.040 ON JUL 31	30 900	1926
1927	124 AT 24:00 ON APR 26	118 ON APR 27	0.085B ON MAR 1	122 000	1927
1928	85.7 B AT 12:30 ON MAR 22	68.3 B ON MAR 22	0.272 ON OCT 28	86 400	1928
1929	32.3 AT 13:30 ON APR 22	31.4 ON APR 22	0.187 ON AUG 24	41 700	1929
1930	88.3 B AT 15:30 ON APR 5	87.5 B ON APR 5	0.210 ON AUG 11	48 100	1930
1931	---	3.34B ON MAR 25	0.402B ON MAR 11	---	1931
1932	---	---	---	---	1932
1933	---	31.8 E ON APR 15	0 B ON MAR 1	29 000	1933
1934	---	---	---	---	1934
1940	---	72.5 ON APR 22	0.014 ON SEP 24	38 200	1940
1941	---	35.4 B ON MAR 27	0.020 ON AUG 11	24 400	1941
1942	18.7 AT 23:00 ON APR 13	15.5 ON APR 13	0.102 ON JUL 18	27 000	1942
1943	108 B ON MAR 30	102 E ON MAR 31	0 ON AUG 14	55 100	1943
1944	74.2 AT 01:30 ON APR 5	68.2 ON APR 5	0.028 ON JUN 3	35 200	1944
1945	48.1 AT 23:00 ON MAR 23	37.4 ON MAR 24	0 ON JUL 31	28 400	1945
1946	34.6 AT 18:05 ON MAR 28	32.8 ON MAR 28	0.003 ON JUL 28	28 900	1946
1947	35.1 AT 23:00 ON APR 11	26.3 ON APR 11	0.011 ON AUG 4	30 000	1947
1948	38.2 AT 02:00 ON APR 19	27.0 ON APR 19	0.003 ON OCT 14	24 400	1948
1949	8.78B AT 20:00 ON APR 9	8.34 ON APR 10	0.008 ON AUG 19	11 800	1949
1950	83.1 B AT 05:00 ON APR 18	82.1 B ON APR 18	0.014 ON OCT 10	32 300	1950
1951	75.0 AT 02:00 ON APR 28	69.8 ON APR 28	0.031 ON SEP 18	80 800	1951
1952	328 A AT 07:00 ON APR 18 *	272 A ON APR 18 *	0.028 ON OCT 28	127 000	1952
1953	27.8 AT 13:00 ON APR 24	26.1 ON APR 24	0.014 ON SEP 30	42 800	1953
1954	41.3 AT 19:00 ON APR 14	36.8 ON APR 14	0.088 ON JUL 31	38 900	1954
1955	88.8 AT 14:00 ON APR 20	86.2 ON APR 20	0.184 ON JUL 1	109 000	1955
1956	34.0 AT 14:00 ON APR 15	32.0 ON APR 15	0.089 ON AUG 20	32 000	1956
1957	22.8 AT 15:00 ON APR 18	20.9 ON APR 18	0.082 ON AUG 28	30 300	1957
1958	79.8 AT 09:00 ON APR 5	74.8 ON APR 5	0.048 ON AUG 18	38 700	1958
1959	28.1 AT 08:00 ON APR 3	21.9 ON APR 3	0.028 ON SEP 7	24 000	1959
1960	49.0 B AT 23:00 ON MAR 27	47.9 B ON MAR 28	0.083 ON JUN 10	38 800	1960
1961	4.30 AT 21:30 ON MAR 25	3.82 ON MAR 25	0.008 ON AUG 31	8 800	1961
1962	20.8 ON APR 6	18.9 ON APR 6	0 ON SEP 18	17 400	1962
1963	32.3 AT 22:00 ON MAR 28	28.9 ON MAR 28	0.023 ON SEP 7	19 800	1963
1964	18.8 B AT 17:00 ON APR 3	14.2 B ON APR 3	0.014 ON AUG 4	17 700	1964
1965	70.8 AT 04:00 ON APR 26	68.2 ON APR 26	0 ON SEP 30	70 800	1965
1966	67.4 B AT 13:30 ON MAR 30	66.3 B ON MAR 31	0.186 ON JUN 19	36 800	1966
1967	67.8 AT 04:00 ON MAY 10	47.9 ON MAY 10	0.089 ON SEP 8	59 400	1967
1968	18.8 B AT 18:00 MST ON MAR 7	16.8 B ON MAR 7	0.089 ON JUN 3	27 700	1968
1969	71.4 B AT 21:20 MST ON APR 7	63.4 B ON APR 7	0.013 ON SEP 25	28 700	1969
1970	88.6 B AT 20:10 MST ON APR 11	83.4 B ON APR 11	0.082 ON JUL 24	84 700	1970
1971	38.1 AT 20:53 CST ON APR 18	20.8 ON APR 17	0.102 ON AUG 28	28 500	1971
1972	68.8 B AT 22:00 CST ON MAR 18	48.1 B ON MAR 18	0.108 ON AUG 8	33 300	1972
1973	7.33 AT 12:50 CST ON APR 27	6.94 ON APR 26	0.091 ON AUG 13	21 200	1973
1974	11.8 AT 21:03 CST ON MAY 28	11.4 ON MAY 28	0.138 ON AUG 6	28 100	1974
1975	88.8 AT 21:38 CST ON MAY 7	42.2 ON MAY 7	0.068B ON MAR 14	38 000	1975
1976	38.1 AT 23:58 CST ON APR 1	28.1 ON APR 2	0.085 ON MAY 28	28 100	1976
1977	13.8 AT 18:00 CST ON APR 8	12.8 B ON APR 8	0.028 ON AUG 21	22 200	1977
1978	16.2 B AT 04:14 CST ON APR 1	13.0 B ON APR 1	0.068 ON SEP 27	21 400	1978
1979	86.3 AT 02:12 CST ON APR 18	78.8 ON APR 18	0.075B ON MAR 8	48 800	1979
1980	9.83 AT 00:28 CST ON APR 8	8.88 ON APR 8	0.107 ON AUG 27	14 800	1980
1981	---	2.88B ON MAR 1	0 ON SEP 18	8 110	1981
1982	20.1 AT 01:38 CST ON APR 25	18.5 ON APR 25	0.133B ON APR 17	29 200	1982
1983	17.3 AT 08:07 CST ON APR 1	14.2 ON APR 1	0.225 ON SEP 7	22 800	1983
1984	3.06 AT 17:28 CST ON APR 10	2.93 ON APR 11	0 ON JUL 10	8 050	1984
1985	58.4 AT 22:51 CST ON APR 12	48.0 ON APR 13	0.009 ON JUL 28	43 000	1985
1986	---	33.2 B ON MAR 1	0.020 ON JUN 22	27 900	1986
1987	31.3 B AT 14:04 CST ON MAR 8	28.4 B ON MAR 8	0.009 ON JUL 27	25 800	1987
1988	8.12B AT 20:30 CST ON MAR 24	8.47B ON MAR 24	0.007 ON SEP 10	8 140	1988
				38 800	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

FRENCHMAN RIVER BELOW MULE CREEK - STATION NO. 11AC071

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1984	---	---	---	---	---	---	---	0.025	0.210	0.280	---	---	---	1984
1985	---	---	---	---	---	1.28	1.82	0.923	1.37	0.858	---	---	---	1985
1986	---	---	---	---	2.04	0.845	0.872	0.808	0.244	0.201	---	---	---	1986
1987	---	---	---	---	---	---	0.386	0.338	0.187	0.343	---	---	---	1987
1988	---	---	---	---	1.22	0.361	0.285	0.323	0.559	0.484	---	---	---	1988
1989	---	---	---	---	2.14	0.484	1.04	0.205	0.183	0.776	---	---	---	1989
MEAN	---	---	---	---	1.80	0.785	0.877	0.403	0.484	0.485	---	---	---	MEAN

LOCATION - LAT 49 24 55 N DRAINAGE AREA, 2 870 km²
LONG 108 12 21 W REGULATED

FRENCHMAN RIVER BELOW MULE CREEK - STATION NO. 11AC071

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1984	---	---	---	---	1984
1985	9.15 AT 00:00 MST ON JUN 25 *	---	---	---	1985
1986	4.25 AT 10:00 MST ON MAY 7	---	---	---	1986
1987	---	---	---	---	1987
1988	2.42 AT 16:00 MST ON MAY 4	---	---	---	1988
1989	---	---	---	---	1989
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

FRENCHMAN RIVER BELOW NEWTON LAKE - STATION NO. 11AC082

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1939	---	---	---	---	---	0.85	0.781	0.014	0.014	0.014	---	---	---	1939
1940	---	---	0 R	12.3 R	---	---	---	---	---	---	---	---	---	1940
1985	---	---	---	---	---	---	1.18	0.209	0.828	1.86	---	---	---	1985
1986	---	---	---	---	1.88	0.182	0.173	0.138	0.710	0.223	---	---	---	1986
1987	---	---	---	---	---	0.811	0.147	0.125	0.087	0.091	---	---	---	1987
1988	---	---	---	---	1.08	0.188	0.132	0.102	0.080	0.188	---	---	---	1988
1989	---	---	---	---	2.44	0.498	0.480	0.328	0.182	0.267	---	---	---	1989
1970	---	---	---	---	---	0.278	0.371	0.280	0.189	0.318	---	---	---	1970
1971	---	---	---	---	---	0.287	0.238	0.283	0.288	0.181	---	---	---	1971
1972	---	---	---	---	0.448	0.243	0.260	0.188	0.090	0.181	---	---	---	1972
1973	---	---	---	1.48	0.834	0.388	1.14	0.099	0.143	0.187	---	---	---	1973
1974	---	---	---	---	8.71	2.03	0.118	0.088	0.117	0.332	---	---	---	1974
1975	---	---	---	---	8.52	0.387	0.488	0.308	0.278	0.828	---	---	---	1975
1976	---	---	---	---	0.381	0.288	0.509	0.223	0.081	0.201	---	---	---	1976
1977	---	---	0.254	0.871	0.704	0.288	0.302	0.202	0.184	0.148	---	---	0.342	1977
1978	---	---	0.082	2.47	1.83	0.888	0.213	0.034	0.078	0.402	---	---	0.882	1978
1979	---	---	1.88	14.2	2.07	0.852	0.078	0.088	0.370	0.118	---	---	2.32	1979
1980	---	---	0.338	0.300	1.28	0.078	0.088	0.838	0.011	0.254	---	---	0.388	1980
1981	---	---	0.287	0.648	0.332	0.888	0.838	0.188	0.084	0.240	---	---	0.384	1981
1982	---	---	0.088	7.38	0.884	3.88	1.83	0.288	0.183	0.428	---	---	1.82	1982
1983	---	---	0.585	1.88	1.78	0.240	0.288	0.180	0.024	0.474	---	---	0.882	1983
1984	---	---	0.187	0.804	0.848	0.883	0.038	0.007	0	0	---	---	0.283	1984
1985	---	---	0.184	5.78	2.80	0.474	0.077	0.078	0.088	0.177	---	---	1.20	1985
1986	---	---	8.87	1.04	2.88	0.184	0.118	0.078	0.048	0.888	---	---	1.71	1986
1987	---	---	7.24	3.88	0.118	0.078	0.082	0.017	0.181	0.185	---	---	1.48	1987
1988	---	---	0.083	0.311	0.334	1.38	0.200	0.001	0.001	0.080	---	---	0.287	1988
MEAN	---	---	1.84 R	3.78 R	1.88	0.818	0.421	0.188	0.178	0.308	---	---	0.858R	MEAN

LOCATION - LAT 49 18 07 N DRAINAGE AREA, 3 490 km² INTERNATIONAL GAUGING STATION R - REVISED SINCE JAN 01 1987
LONG 107 48 20 W REGULATED SINCE 1937

PRENCHMAN RIVER BELOW NEWTON LAKE - STATION NO. 11AC052

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1939	---	---	---	---	1939
1940	---	38.3 R ON APR 28	0 RB ON MAR 1 *	---	1940
1965	---	---	---	---	1965
1966	---	---	---	---	1966
1967	---	---	---	---	1967
1968	---	---	---	---	1968
1969	---	---	---	---	1969
1970	---	---	---	---	1970
1971	---	---	---	---	1971
1972	---	---	---	---	1972
1973	7.65 AT 08:45 CST ON APR 28	7.62 ON APR 28	---	---	1973
1974	47.6 AT 15:01 CST ON MAY 24	38.0 ON MAY 24	0.040 ON JUL 27	---	1974
1975	45.6 AT 23:02 CST ON MAY 10	45.3 ON MAY 11	0.170A ON APR 25	---	1975
1976	---	---	0.071 ON SEP 24	---	1976
1977	1.84 AT 21:34 CST ON MAY 5	1.82 ON MAY 5	0.136 ON OCT 26	7 250	1977
1978	4.78 AT 11:23 CST ON APR 18	4.70 ON APR 22	0.020 ON AUG 25	14 000	1978
1979	86.6 AT 14:39 CST ON APR 19 *	81.3 ON APR 20	0.038 ON AUG 15	49 100	1979
1980	1.87 AT 11:00 CST ON MAY 2	1.84 ON MAY 3	0.002 ON AUG 21	7 590	1980
1981	1.83 AT 11:30 CST ON MAR 4	1.57 ON APR 21	0 ON JUN 30	6 240	1981
1982	42.7 AT 16:09 CST ON APR 16	41.6 ON APR 17	0.010B ON MAR 1	38 600	1982
1983	8.28 AT 21:35 CST ON MAY 16	8.26 ON MAY 17	0 ON SEP 16	13 800	1983
1984	2.16 AT 22:26 CST ON MAY 23	1.87 ON MAY 23	0 E ON AUG 12	5 570	1984
1985	47.6 AT 13:39 CST ON APR 19	36.3 ON APR 19	0 B ON MAR 1	25 400	1985
1986	56.0 AT 15:31 CST ON MAR 4	52.3 ON MAR 4 *	0.030 ON SEP 29	36 300	1986
1987	15.7 B AT 13:41 CST ON MAR 15	15.6 B ON MAR 15	0.001 ON AUG 6	31 300	1987
1988	1.77 AT 13:26 CST ON APR 13	1.74 ON APR 14	0 ON OCT 13	6 290	1988
				20 300	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD
R - REVISED SINCE JAN 01 1987

PRENCHMAN RIVER BELOW VAL MARIE - STATION NO. 11AC051

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1937	---	---	0.004	0.615	0.014	0.437	1.09	0.008	0	0	---	---	0.270	1937
1938	---	---	0.261	2.87	0.877	0.220	1.73	0.080	0.545	0.026	---	---	0.773	1938
1939	---	---	12.4	3.17	2.84	7.31	1.26	0.388	0.078	0.101	---	---	3.44	1939
1940	---	---	0.028	15.2	1.42	4.12	0.884	0.221	0.188	0.894	---	---	2.77	1940
1941	---	---	5.75	7.21	0.738	0.884	0.410	0.207	0.380	0.211	---	---	1.84	1941
1942	---	---	2.43	4.17	0.627	1.80	3.24	0.302	0.278	0.385	---	---	1.87	1942
1943	---	---	18.0	20.4	1.85	1.77	0.808	0.197	0.088	0.278	---	---	5.41	1943
1944	---	---	1.90	9.56	0.848	0.308	0.306	0.885	0.361	1.30	---	---	1.88	1944
1945	---	---	8.38	0.841	0.898	0.383	0.832	0.292	0.022	0.003	---	---	1.18	1945
1946	---	---	3.83	2.85	0.388	0.334	0.418	0.048	0.181	0.283	---	---	1.04	1946
1947	---	---	0.498	8.80	0.884	0.318	0.387	0.240	0.587	0.808	---	---	1.30	1947
1948	---	---	0.888	4.76	1.83	0.580	0.648	0.713	0.240	0.041	---	---	1.20	1948
1949	---	---	0.103	0.330	0.580	0.440	0.874	0.001	0	0	---	---	0.284	1949
1950	---	---	0.014	12.3	1.69	0.881	0.288	0.372	0.104	0.472	---	---	1.88	1950
1951	---	---	0.189	14.8	14.9	0.745	1.35	0.798	1.77	0.840	---	---	4.41	1951
1952	---	---	---	---	---	1.89	4.17	1.38	1.80	0.714	---	---	---	1952
1953	---	---	---	---	8.41	10.4	1.80	0.292	0.070	0.135	---	---	---	1953
1954	---	---	---	---	2.14	3.72	1.38	3.08	0.529	2.10	---	---	---	1954
1955	---	---	---	---	14.5	3.72	---	1.44	0.825	0.885	---	---	---	1955
1956	---	---	---	---	2.30	1.26	0.784	0.518	0.458	0.206	---	---	---	1956
1957	---	---	---	---	1.68	0.848	0.198	0.180	0.124	0.074	---	---	---	1957
1958	---	---	---	---	0.801	0.844	0.288	0.177	0.181	0.082	---	---	---	1958
1959	---	---	---	---	1.33	1.08	0.884	0.281	0.040	0.078	---	---	---	1959
1960	---	---	---	---	1.78	0.819	0.312	0.278	0.081	0.283	---	---	---	1960
1961	---	---	---	0.838	0.388	0.328	0.080	0.040	0	0.226	---	---	---	1961
1962	---	---	---	3.08	1.20	0.319	4.29	0.338	0.111	0.412	---	---	---	1962
1963	---	---	---	4.38	0.894	1.89	0.832	0.502	0.118	0.119	---	---	---	1963
1964	---	---	---	1.80	1.93	0.473	0.408	0.184	0.080	0.038	---	---	---	1964
1965	---	---	---	15.2	7.74	1.55	1.41	0.585	0.886	1.99	---	---	---	1965
1966	---	---	---	10.4	2.18	0.881	0.521	0.518	0.579	0.114	---	---	---	1966
1967	---	---	---	14.8	18.8	2.82	0.881	0.324	0.094	0.080	---	---	---	1967
1968	---	---	---	2.51	1.56	0.844	0.500	0.325	0.098	0.123	---	---	---	1968
1969	---	---	---	12.8	3.62	1.18	0.522	0.828	0.268	0.321	---	---	---	1969
1970	---	---	---	20.8	8.23	1.41	0.880	0.881	0.184	0.280	---	---	---	1970
1971	---	---	---	---	4.01	0.856	0.479	0.445	0.188	0.200	---	---	---	1971
1972	---	---	---	---	0.817	0.887	0.617	0.252	0.084	0.183	---	---	---	1972
1973	---	---	---	1.27	1.02	0.537	1.53	0.228	0.093	0.132	---	---	---	1973
1974	---	---	---	---	7.38	3.08	0.542	0.386	0.073	0.321	---	---	---	1974
1975	---	---	---	---	---	1.15	1.33	0.540	0.282	0.639	---	---	---	1975
1988	---	---	---	---	0.478	1.25	0.214	0	0	0	---	---	---	1988
MEAN	---	---	3.51	7.43	3.20	1.54	0.975	0.437	0.275	0.387	---	---	1.87	MEAN

LOCATION - LAT 49 11 40 N, LONG 107 41 12 W
DRAINAGE AREA, 4 470 km^2
REGULATED SINCE 1937
INTERNATIONAL GAUGING STATION

FRENCHMAN RIVER BELOW VAL MARIE - STATION NO. 11AC051

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1937	7.59 ON JUL 17	4.56 ON JUL 17	0 ON MAR 1 *	5 720	1937
1938	12.0 AT 18:00 ON APR 18	11.9 ON APR 18	0 B ON MAR 1	18 400	1938
1939	84.4 AT 17:00 ON MAR 24	82.1 ON MAR 24	0.0388 ON MAR 1	72 800	1939
1940	53.0 ON APR 24	53.0 ON APR 24	0.0288 ON MAR 1	58 700	1940
1941	41.9 B AT 15:00 ON MAR 21	26.4 ON APR 3	0.074 ON JUL 25	41 000	1941
1942	13.8 AT 21:30 ON JUN 30	13.6 B ON MAR 12	0.028 ON OCT 9	35 400	1942
1943	130 B ON MAR 25	86.0 A ON MAR 31 *	0.023 ON OCT 1	114 000	1943
1944	38.6 AT 10:00 ON APR 11	32.6 ON APR 11	0.057 ON SEP 19	39 800	1944
1945	21.2 AT 18:00 ON MAR 29	20.2 ON MAR 29	0 A ON SEP 28	25 000	1945
1946	22.6 A AT 11:40 ON APR 2	22.6 A ON APR 2	0.006 ON AUG 24	21 800	1946
1947	16.6 AT 08:30 ON APR 19	14.8 ON APR 19	0.028B ON MAR 1	27 500	1947
1948	28.7 ON APR 25	23.1 E ON APR 24	0.011 ON OCT 30	25 400	1948
1949	2.12 AT 07:00 ON APR 8	1.59 ON JUL 9	0 ON JUL 28	5 590	1949
1950	45.0 AT 13:00 ON APR 23	44.7 ON APR 23	0.0148 ON MAR 1	42 100	1950
1951	71.6 A ON MAY 5	66.3 A ON MAY 4	0.1428 ON MAR 1	93 400	1951
1952	501 ON APR 14 *	---	---	---	1952
1953	---	---	---	---	1953
1954	---	---	---	---	1954
1955	---	---	---	---	1955
1956	---	---	---	---	1956
1957	---	---	---	---	1957
1958	---	---	---	---	1958
1959	---	---	---	---	1959
1960	---	---	0 ON SEP 17	---	1960
1961	---	---	---	---	1961
1962	---	---	---	---	1962
1963	50.7 AT 08:00 MST ON APR 1	33.4 ON APR 1	---	---	1963
1964	8.17 AT 24:00 MST ON APR 28	8.08 ON APR 29	---	---	1964
1965	56.5 AT 03:00 MST ON APR 29	56.5 ON APR 29	---	---	1965
1966	66.0 AT 22:00 MST ON APR 1	61.4 ON APR 2	---	---	1966
1967	79.0 AT 04:00 MST ON APR 13	66.3 ON APR 13	---	---	1967
1968	---	---	---	---	1968
1969	71.1 B AT 18:55 MST ON APR 7	69.4 ON APR 11	---	---	1969
1970	66.5 AT 18:55 MST ON APR 7	60.4 ON APR 12	---	---	1970
1971	66.2 AT 02:13 CST ON MAY 1	37.1 ON MAY 1	---	---	1971
1972	---	---	---	---	1972
1973	7.80 AT 00:30 CST ON APR 28	7.18 ON APR 27	---	---	1973
1974	61.0 AT 20:40 CST ON MAY 28	24.1 ON MAY 28	0.046 ON SEP 24	---	1974
1975	61.0 AT 03:06 CST ON MAY 13	49.0 ON MAY 13	---	---	1975
1976	3.45 AT 22:23 CST ON JUL 5	1.86 ON JUN 19	0 ON JUL 12	---	1976
				41 700	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

FRENCHMAN RIVER NEAR DELANGER - STATION NO. 11AC022

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1916	---	---	---	---	---	---	0.284	0.187	0.119	0.175	---	---	---	1916
1917	---	---	---	---	---	0.813	0.295	0.184	0.150	0.147	---	---	---	1917
MEAN	---	---	---	---	---	0.813	0.330	0.188	0.135	0.161	---	---	---	MEAN

LOCATION - LAT 49 29 00 N, LONG 109 21 00 W
DRAINAGE AREA, 554 km^2
REGULATED

FRENCHMAN RIVER NEAR ROSEFIELD - STATION NO. 11AC070

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1985	---	---	---	---	---	---	1.48	0.628	0.538	2.34	---	---	---	1985
1986	---	---	---	---	3.47	0.883	0.451	0.448	0.867	0.098	---	---	---	1986
1987	---	---	---	---	---	---	0.841	0.338	0.245	0.135	---	---	---	1987
1988	---	---	---	---	1.48	0.872	0.418	0.331	0.104	0.153	---	---	---	1988
1989	---	---	---	---	---	1.19	0.587	0.778	0.247	0.284	---	---	---	1989
MEAN	---	---	---	---	1.98	0.891	0.711	0.505	0.356	0.802	---	---	---	MEAN

LOCATION - LAT 49 09 10 N, LONG 107 31 50 W
DRAINAGE AREA, 4 980 km^2
REGULATED

FRENCHMAN RIVER NEAR ROSEFIELD - STATION NO. 11AC070

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1985	---	---	---	---	1985
1986	---	---	---	---	1986
1987	---	---	---	---	1987
1988	2.33 AT 09:00 MST ON MAY 20	---	---	---	1988
1989	---	---	---	---	1989
				---	MEAN

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

GAFF DITCH FROM BATTLE CREEK - STATION NO. 11AB019

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1912	---	---	0	0	0	0.330	0.074	0	0	0	---	---	0.050	1912
1913	---	---	0	0	0.011	0.174	0	0	0	0	---	---	0.023	1913
1914	---	---	0	0	0.191	0.388	0.021	0	0	0	---	---	0.072	1914
1915	---	---	0	0	0.213	0.027	0	0	0	0	---	---	0.030	1915
1916	---	---	0	0	0	0	0	0	0	0	---	---	0	1916
1917	---	---	0	0	0	0.086	0.100	0.124	0	0	---	---	0.035	1917
1918	---	---	0	0	0	0.182	0.027	0.040	0.088	0.113	---	---	0.050	1918
1919	---	---	0	0.030	0.101	0.048	0	0	0	0	---	---	0.022	1919
1920	---	---	0	0	0.027	0.100	0	0	0	0	---	---	0.018	1920
1921	---	---	0	0	0	0.099	---	---	---	---	---	---	---	1921
1922	---	---	0	0	0	0.021	0.039	0	0	0	---	---	0.007	1922
1923	---	---	0	0	0.008	0.028	0	0	0	0	---	---	0.004	1923
1924	---	---	0	0	0.003	0.023	0.010	0	0	0	---	---	0.005	1924
1925	---	---	0	0	0	0	0.048	0	0	0	---	---	0.008	1925
1926	---	---	0	0	0	0	0	0	0	0	---	---	0	1926
1927	---	---	0	0	0	0	0	0	0	0	---	---	0	1927
1928	---	---	0	0	0	0	0	0	0	0	---	---	0	1928
1929	---	---	0	0	0	0	0	0	0	0	---	---	0	1929
1930	---	---	0	0	0	0	0	0	0	0	---	---	0	1930
1931	---	---	0	0	0	0.014	0.007	0.008	0	0	---	---	0.003	1931
MEAN	---	---	0	0.002	0.028	0.072	0.017	0.009	0.003	0.008	---	---	0.017	MEAN

LOCATION - LAT 49 24 40 N
LONG 108 47 35 W REGULATED

GAFF DITCH FROM BATTLE CREEK - STATION NO. 11AB019

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1912	---	0.808 ON JUN 15 *	0 ON MAR 1 *	1 050	1912
1913	---	0.481 ON JUN 2	0 ON MAR 1	481	1913
1914	---	0.473 ON MAY 21	0 ON MAR 1	1 520	1914
1915	---	0.486 ON MAY 14	0 ON MAR 1	540	1915
1916	---	0 ON MAR 1	0 ON MAR 1	0	1916
1917	---	0.387 ON AUG 8	0 ON MAR 1	744	1917
1918	---	0.287E ON JUN 8	0 ON MAR 1	1 050	1918
1919	---	0.139 ON MAY 19	0 ON MAR 1	485	1919
1920	---	0.280 ON JUN 15	0 ON MAR 1	333	1920
1921	---	---	0 ON MAR 1	---	1921
1922	---	0.147 ON JUN 27	0 ON MAR 1	157	1922
1923	---	0.091 ON JUN 2	0 ON MAR 1	92.0	1923
1924	---	0.105 ON JUN 7	0 ON MAR 1	95.7	1924
1925	---	0.229 ON JUL 23	0 ON MAR 1	130	1925
1926	---	0 ON MAR 1	0 ON MAR 1	0	1926
1927	---	0 ON MAR 1	0 ON MAR 1	0	1927
1928	---	0 ON MAR 1	0 ON MAR 1	0	1928
1929	---	0 ON MAR 1	0 ON MAR 1	0	1929
1930	---	0 ON MAR 1	0 ON MAR 1	0	1930
1931	---	0.014E ON JUN 1	0 ON MAR 1	68.4	1931
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		359	MEAN

E - ESTIMATED

GAFF DITCH NEAR MERRYFLAT - STATION NO. 11AB102

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1984	---	---	0	0.383	0.083	0.126	0.001	0.015	0.024	0	---	---	0.079	1984
1985	---	---	0	0.017	0.232	0.187	0.004	0.012	0.003	0.001	---	---	0.087	1985
1986	---	---	0.030	0.007	0.211	0.187	0.038	0.033	0.015	0.008	---	---	0.085	1986
1987	---	---	0	0	0.103	0.247	0.184	0.046	0.002	0.011	---	---	0.087	1987
1988	---	---	0.003	0.147	0.427	0.008	0.027	0.006	0.010	0.001	---	---	0.080	1988
1989	---	---	0	0.581	0.368	0.237	0.002	0.003	0	0	---	---	0.095	1989
1970	---	---	0	0.078	---	0.480	0.001	0	0	0	---	---	---	1970
1971	---	---	0	0.286	0.495	0.449	0.003	0.002	0.015	0.002	---	---	0.102	1971
1972	---	---	0.070	0.282	0.471	0.190	0	0	0.088	0	---	---	0.137	1972
1973	---	---	0.001	0.012	0.488	0.181	0.005	0	0.002	0.025	---	---	0.085	1973
1974	---	---	0	0.151	0.102	0.482	0.005	0.005	0.005	0.005	---	---	0.081	1974
1975	---	---	0	0	0.291	0.075	0.130	0.040	0.001	0.001	---	---	0.058	1975
1976	---	---	0.003	0.481	0.294	0.335	0.089	0.003	0.003	0.003	---	---	0.142	1976
1977	---	---	0.028	0.388	0.275	0.005	0	0	0	0	---	---	0.083	1977
1978	---	---	0	0.038	0.459	0.088	0.001	0.001	0.012	0.001	---	---	0.077	1978
1979	---	---	0	0	0.258	0.505	0.058	0.008	0.003	0.004	---	---	0.107	1979
1980	---	---	0	0.208	0.237	0.088	0.012	0.004	0.020	0.001	---	---	0.087	1980
1981	---	---	0.001	0.320	0.172	0.012	0.033	0.003	0.028	0.010	---	---	0.071	1981
1982	---	---	0	0.087	0.280	0.241	0.003	0.018	0.003	0.002	---	---	0.068	1982
1983	---	---	0.001	0.434	0.058	0.291	0.004	0.004	0.003	0.005	---	---	0.088	1983
1984	---	---	0	0.285	0.388	0.077	0.009	0.008	0.048	0	---	---	0.102	1984
1985	---	---	0	0.273	0.132	0.003	0.001	0	0	0	---	---	0.063	1985
1986	---	---	0.004	0.342	0.133	0.348	0.020	0	0.001	0	---	---	0.104	1986
1987	---	---	0.002	0.341	0.308	0.004	0.004	0.004	0.003	0.007	---	---	0.083	1987
1988	---	---	0.026	0.422	0.121	0.014	0	0	0	0	---	---	0.072	1988
MEAN	---	---	0.007	0.203	0.270	0.187	0.028	0.012	0.014	0.004	---	---	0.091	MEAN

LOCATION - LAT 49 25 05 N
LONG 108 50 07 W REGULATED

INTERNATIONAL GAUGING STATION

GAFF DITCH NEAR MERRYFLAT - STATION NO. 11AB102

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1984	---	0.618 ON APR 10	0 ON MAR 1 *	1 970	1984
1985	---	0.871 ON JUN 5	0 B ON MAR 1	1 200	1985
1986	---	0.630 ON JUN 4	0 B ON MAR 1	1 370	1986
1987	---	0.484 ON JUL 2	0 B ON MAR 1	1 630	1987
1988	---	0.883 ON APR 25	0.001 ON OCT 14	1 910	1988
1989	---	0.800 ON MAY 15	0 ON MAR 1	2 070	1989
1970	---	---	---	---	1970
1971	---	1.18 ON APR 22 *	0 B ON MAR 1	3 200	1971
1972	---	0.657 ON MAY 27	0 B ON MAR 1	2 800	1972
1973	---	0.680 ON JUN 17	0 B ON MAR 1	2 030	1973
1974	---	0.894 ON MAY 26	0 ON MAR 1	1 920	1974
1975	---	0.857 ON MAY 21	0 B ON MAR 1	1 440	1975
1976	---	0.680 ON APR 6	0 B ON MAR 1	3 010	1976
1977	---	0.532 ON APR 27	0 B ON MAR 1	1 770	1977
1978	---	0.612 ON MAY 25	0 B ON MAR 1	1 820	1978
1979	---	0.871 ON JUN 5	0 B ON MAR 1	2 270	1979
1980	---	0.498 ON APR 29	0 B ON MAR 1	1 420	1980
1981	---	0.518 ON APR 18	0 ON MAR 1	1 510	1981
1982	---	0.589 ON MAY 20	0 B ON MAR 1	1 890	1982
1983	---	0.592 ON APR 20	0 B ON MAR 1	2 080	1983
1984	---	0.639 ON MAY 7	0 B ON MAR 1	2 150	1984
1985	---	0.798 ON APR 14	0 B ON MAR 1	1 330	1985
1986	---	0.525 ON JUN 8	0 ON AUG 3	2 210	1986
1987	---	0.638 ON MAY 1	0 B ON MAR 1	1 770	1987
1988	---	0.8508 ON APR 5	0 B ON MAR 1	1 520	1988
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		1 930	MEAN

GAINSBOROUGH CREEK NEAR STORTHOAKS - STATION NO. 05NF013

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1973	---	---	E	0	E	E	0	0	E	0	---	---	E	1973
1974	---	---	0	0.27	0.952	0.183	0.004	0	0	0	---	---	0.911	1974
1975	---	---	0	4.84	2.13	1.38	0.083	0	1.74	0.841	---	---	1.37	1975
1976	---	---	0.002	22.4	0.587	0.083	0.010	0	0	0	---	---	2.82	1976
1977	---	---	0	0	0	0	0	0	0	0	---	---	0	1977
1978	---	---	0.005	0.011	E	0	0	0	0	0	---	---	0.002	1978
1979	---	---	0	2.05	0.571	0.014	0	0	0	0	---	---	0.325	1979
1980	---	---	0	0.009	0	0	0	0	0	0	---	---	0.001	1980
1981	---	0.073	0.033	0	0	0	0	0	0	0	---	---	0.003	1981
1982	---	---	0	1.28	0.083	0	0	0	0	0	---	---	0.184	1982
1983	---	---	0	2.48	0.193	0.002	0	0	0	0	---	---	0.328	1983
1984	---	---	0.001	0.001	0.023	0	0	0	0	0	---	---	0.003	1984
1985	---	---	0.491	0.732	0.041	0	0	1.82	0.781	0.387	---	---	0.543	1985
1986	---	0.016	1.83	0.884	1.13	0.009	0.010	0.002	0	0	---	---	0.435	1986
1987	---	---	0.384	2.76	0.010	0.002	0	0	0	0	---	---	0.384	1987
1988	---	---	0	0	0	0	0	0	0	0	---	---	0	1988
MEAN	---	0.044	0.157	2.73	0.355	0.105	0.006	0.120	0.158	0.077	---	---	0.458	MEAN

LOCATION - LAT 49 24 51 N DRAINAGE AREA, 712 km^2
LONG 101 31 36 W NATURAL FLOW

GAINSBOROUGH CREEK NEAR STORTHOAKS - STATION NO. 05NF013

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1973	---	0 ON MAR 1	0 ON MAR 1 *	0	1973
1974	29.4 AT 09:05 CST ON APR 20	27.5 ON APR 20	0B ON MAR 1	19 200	1974
1975	20.0 AT 18:05 CST ON APR 28	17.4 ON APR 29	0B ON MAR 1	29 000	1975
1976	89.2 B AT 19:05 CST ON APR 10 *	75.9 B ON APR 10 *	0E ON JUL 27	59 800	1976
1977	---	0 B ON MAR 1	0B ON MAR 1	0	1977
1978	0.1108 AT 05:20 CST ON APR 7	0.0838 ON MAR 30	0B ON MAR 1	41.4	1978
1979	11.8 B AT 05:00 CST ON APR 25	8.84 B ON APR 25	0B ON MAR 1	8 890	1979
1980	0.112 AT 11:27 CST ON APR 14	0.084 ON APR 14	0B ON MAR 1	24.4	1980
1981	---	0.0758 ON MAR 1	0 ON APR 2	81.8	1981
1982	9.02 B AT 13:37 CST ON APR 17	7.52 B ON APR 17	0B ON MAR 1	3 480	1982
1983	11.2 AT 07:36 CST ON APR 23	10.7 ON APR 23	0B ON MAR 1	8 950	1983
1984	0.072 AT 23:26 CST ON MAY 10	0.068 ON MAY 10	0B ON MAR 1	85.1	1984
1985	9.68 AT 13:04 CST ON AUG 22	7.30 ON AUG 22	0B ON MAR 1	11 500	1985
1986	4.70 AT 03:44 CST ON MAY 10	4.38 ON MAY 10	0 ON JUN 29	8 200	1986
1987	8.30 B AT 05:00 CST ON APR 7	8.08 B ON APR 7	0B ON MAR 1	8 130	1987
1988	0 B AT 00:00 CST ON MAR 1	0 B ON MAR 1	0B ON MAR 1	0	1988
	B - ICE CONDITIONS E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		9 650	MEAN

GAP CREEK ABOVE JUNCTION RESERVOIR - STATION NO. 05HA072

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1944	---	---	0.836	0.081	0.011	0.006	0	0.000	0	0	---	---	0.132	1944
1945	---	---	0.098	0.005	0.220	0.037	0.001	0	0	0	---	---	0.048	1945
1946	---	---	0.276	0.043	0.039	0.058	0.108	0.003	0.001	0.003	---	---	0.067	1946
1947	---	---	0.547	0.261	0.080	0.048	0.007	0.001	0	0	---	---	0.114	1947
1948	---	---	0.314	0.573	0.055	0.081	0.013	0.001	0	0	---	---	0.126	1948
1949	---	---	0.021	0.092	0.024	0.023	0.008	0	0	0	---	---	0.021	1949
1950	---	---	0.080	0.131	0.004	0.011	0.003	0.003	0	0.048	---	---	0.052	1950
1951	---	---	0.143	3.16	1.25	0.313	0.073	0.223	0.182	0.082	---	---	0.667	1951
1952	---	---	3.92	4.52	0.506	0.178	0.520	0.251	0.019	0.054	---	---	1.73	1952
1953	---	---	0.158	0.810	1.92	4.75	0.218	0.046	0.007	0.017	---	---	0.982	1953
1954	---	0.003	0.011	0.528	0.522	1.06	0.190	0.078	0.003	0.143	---	---	0.324	1954
1955	---	---	0.929	15.8	2.85	0.221	0.524	0.203	0.005	0.006	---	---	2.58	1955
1956	---	---	0.231	0.133	0.134	0.181	0.079	0.026	0.013	0.009	---	---	0.088	1956
1957	---	---	0.086	0.291	0.180	0.102	0.055	0.051	0.013	0.018	---	---	0.088	1957
1958	---	---	0.251	0.285	0.035	0.014	0.005	0.018	0.006	0.006	---	---	0.077	1958
1959	---	---	0.310	0.115	0.035	0.267	0.025	0.024	0.016	0.017	---	---	0.101	1959
1960	---	---	0.847	0.100	0.584	0.028	0.009	0.081	0.012	0.022	---	---	0.223	1960
1961	---	---	0.080	0.010	0.009	0.003	0	0	0	0.001	---	---	0.010	1961
1962	---	---	0.141	0.052	0.015	0.552	0.034	0.019	0.111	0.027	---	---	0.117	1962
1963	---	---	0.093	0.041	0.034	0.026	0.030	0	0	0.003	---	---	0.026	1963
1964	---	---	0	0.031	0.189	0.052	0.043	0.201	0.003	0.005	---	---	0.063	1964
1965	---	---	0.158	2.77	0.474	1.06	0.803	0.085	0.022	0.016	---	---	0.641	1965
1966	---	---	0.780	1.13	0.818	0.046	0.022	0.110	0.002	0.006	---	---	0.336	1966
1967	---	---	0.738	1.81	8.08	0.158	0.046	0.026	0.116	0.017	---	---	1.35	1967
1968	---	---	0.006	0.032	0.026	0.018	0.001	0.013	0.024	0.015	---	---	0.017	1968
1969	---	---	1.11	0.333	0.158	0.021	0.108	0.010	0.007	0.003	---	---	0.220	1969
1970	---	---	0.080	1.24	1.19	0.237	0.116	0.048	0.001	0.050	---	---	0.370	1970
1971	---	0.820	0.384	0.712	0.054	0.428	0.159	0.032	0.017	0.020	---	---	0.226	1971
1972	---	---	0.453	0.074	0.051	0.214	0.008	0.017	0.002	0.008	---	---	0.103	1972
1973	---	---	0.071	0.157	0.058	0.089	0.009	0.002	0.001	0	---	---	0.045	1973
MEAN	---	0.452	0.443	1.30	0.840	0.341	0.118	0.055	0.027	0.021	---	---	0.385	MEAN

LOCATION - LAT 49 54 08 N DRAINAGE AREA, 582 km²
LONG 109 34 41 W REGULATED

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1963

GAP CREEK ABOVE JUNCTION RESERVOIR - STATION NO. 05HA072

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1944	---	5.66 B ON MAR 16	0 B ON MAR 1 *	2 790	1944
1945	---	0.398 ON MAY 17	0 B ON MAR 1	887	1945
1946	1.81 AT 09:30 MST ON MAR 12	1.44 ON MAR 12	0 B ON MAR 1	1 420	1946
1947	3.518 AT 10:00 MST ON MAR 20	2.69 B ON MAR 20	0 B ON MAR 1	2 420	1947
1948	---	2.69 ON APR 17	0 B ON MAR 1	2 670	1948
1949	---	0.351 ON APR 12	0 B ON MAR 1	436	1949
1950	3.45 AT 15:00 MST ON JUL 31	1.95 ON JUL 31	0 B ON MAR 1	1 110	1950
1951	---	13.0 ON APR 27	0 B ON MAR 1	14 100	1951
1952	---	52.4 ON APR 7	0 B ON MAR 1	38 700	1952
1953	---	33.1 E ON JUN 4	0 B ON MAR 1	20 300	1953
1954	8.26 AT 18:30 MST ON JUN 12	7.08 ON JUN 13	0 B ON MAR 1	8 880	1954
1955	89.6 AT 10:00 MST ON APR 10 *	73.9 ON APR 10 *	0 B ON MAR 1	54 800	1955
1956	---	1.06 B ON MAR 23	0 B ON MAR 1	2 080	1956
1957	---	1.64 ON MAY 1	0 B ON MAR 6	2 070	1957
1958	2.489 AT 09:00 MST ON MAR 31	2.36 B ON MAR 31	0 ON MAY 14	1 640	1958
1959	8.61 AT 08:20 MST ON JUN 28	8.00 ON JUN 28	0 B ON MAR 1	2 130	1959
1960	---	7.59 B ON MAR 21	0 B ON MAR 1	4 710	1960
1961	---	0.1428 ON MAR 17	0 ON JUN 24	222	1961
1962	24.1 AT 13:00 MST ON JUN 14	9.26 ON JUN 14	0 B ON MAR 1	2 480	1962
1963	---	0.306 ON MAY 13	0 ON JUL 26	803	1963
1964	---	1.80 ON AUG 10	0 B ON MAR 1	1 340	1964
1965	---	14.6 B ON APR 10	0.008 ON OCT 16	13 800	1965
1966	---	3.26 ON APR 12	0 B ON MAR 1	7 170	1966
1967	---	34.5 ON MAY 9	0 ON AUG 12	28 500	1967
1968	---	0.187 ON SEP 26	0 B ON MAR 1	352	1968
1969	---	8.52 B ON MAR 18	0.0038 ON MAR 1	4 660	1969
1970	---	4.30 ON MAY 2	0 B ON MAR 1	7 630	1970
1971	---	5.76 ON JUN 7	0 ON OCT 28	4 780	1971
1972	---	3.71 ON JUN 8	0 B ON MAR 1	2 190	1972
1973	---	0.888 ON APR 25	0 B ON MAR 1	952	1973
				7 730	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

GAP CREEK AT SMALL'S RANCH - STATION NO. 05NA009

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1909	---	---	---	---	1.47	1.88	0.302	0.020	0	0.001	---	---	---	1909
1910	---	---	---	0.015	0.004	0	0	0	0	0	---	---	---	1910
1911	---	---	---	1.08	0.349	0.124	0.182	0.022	1.38	0.124	---	---	---	1911
1912	---	---	---	---	0.434	0.082	0	0.003	0	0.002	---	---	---	1912
1913	---	---	---	---	0.097	0.020	0.017	0	0	0	---	---	---	1913
1914	---	---	---	1.20	0.104	0.001	0	0	0.047	0.003	---	---	---	1914
1915	---	---	---	2.01	0.282	2.05	0.584	0.141	0.002	0.039	---	---	---	1915
1916	---	---	---	0.381	1.42	2.05	0.484	0.081	0.010	0.137	---	---	---	1916
MEAN	---	---	---	0.939	0.516	0.773	0.184	0.033	0.187	0.113	---	---	---	MEAN

LOCATION - LAT 49 47 20 N DRAINAGE AREA, 404 km²
LONG 109 35 30 W REGULATED

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1910 AND 1914

GAP CREEK AT SMALL'S RANCH - STATION NO. 05NA009

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1909	---	---	0 ON AUG 28 *	---	1909
1910	---	---	---	---	1910
1911	---	---	---	---	1911
1912	---	---	0 ON JUN 25	---	1912
1913	---	---	0 ON JUN 24	---	1913
1914	---	---	---	---	1914
1915	---	---	---	---	1915
1916	---	---	---	---	1916
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

GAP CREEK BELOW DOWNIE LAKE DIVERSION - STATION NO. 05NA009

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1944	---	---	0.841	0	0	0	0	0	0	0	---	---	0.119	1944
1945	---	---	0	0	0	0	0	0	0	0	---	---	0	1945
1946	---	---	0	0	0	0	0	0	0	0	---	---	0	1946
1947	---	---	0.087	0	0	0	0	0	0	0	---	---	0.008	1947
1948	---	---	0	0	0	0	0	0	0	0	---	---	0	1948
1949	---	---	0	0	0	0	0	0	0	0	---	---	0	1949
1950	---	---	0	0.021	0.001	0.001	0	0	0	0	---	---	0.003	1950
1951	---	---	0.302	1.89	0.522	0.372	0.029	0.340	0.459	0.026	---	---	0.500	1951
1952	---	---	1.48	5.85	0.272	0.001	0	0	0	0	---	---	0.938	1952
1953	---	---	0.002	0.598	1.27	1.87	0.017	0.001	0	0	---	---	0.441	1953
1954	---	---	0	0.058	0.342	0.353	0.008	0.017	0.283	0.141	---	---	0.148	1954
1955	---	---	0.231	8.89	1.88	0.085	0.410	0.002	0.001	0.011	---	---	1.18	1955
1956	---	---	0.018	0.050	0.051	0.027	0.027	0	0	0.004	---	---	0.022	1956
1957	---	---	0.031	0.037	0.058	0.028	0	0	0	0	---	---	0.018	1957
1958	---	---	0.031	0.028	0.031	0.002	0	0	0	0	---	---	0.012	1958
1959	---	---	0.038	0.012	0.031	0.094	0.014	0	0	0	---	---	0.023	1959
1960	---	---	0.078	0.088	0.492	0.020	0	0	0	0	---	---	0.083	1960
1961	---	---	0.015	0	0	0	0	0	0	0	---	---	0.002	1961
1962	---	---	0.022	0.015	0.014	0.087	0	0	0	0	---	---	0.018	1962
1963	---	---	0.017	0.052	0.007	0.010	0.005	0	0	0	---	---	0.011	1963
1964	---	---	0.013	0.033	0.018	0.015	0.001	0	0	0	---	---	0.010	1964
1965	---	---	0.021	1.14	0.289	0.203	0.080	0	0.045	0.020	---	---	0.222	1965
1966	---	---	0.280	0.730	0.478	0.034	0.003	0.010	0	0	---	---	0.182	1966
1967	---	---	0.189	0.802	4.03	0.102	0.004	0	0	0	---	---	0.558	1967
1968	---	---	0.042	0.017	0.088	0.088	0.008	0	0.003	0.013	---	---	0.028	1968
1969	---	---	0.188	0.085	0.042	0.014	0.878	0	0	0	---	---	0.048	1969
1970	---	---	0.018	0.880	0.808	0.322	0.071	0.001	0	0	---	---	0.234	1970
1971	---	0.248	0.028	0.804	0.208	0.480	0.007	0	0	0	---	---	0.182	1971
1972	---	---	0.127	0.033	0.018	0	0	0	0	0	---	---	0.022	1972
1973	---	---	0.005	0.101	0.143	0.033	0	0	0	0	---	---	0.038	1973
1974	---	---	0.012	0.017	0.213	0.188	0	0	0	0	---	---	0.080	1974
1975	---	---	0.001	0.188	3.48	0.411	0.008	0	0	0.003	---	---	0.387	1975
1976	---	---	0.048	0.034	0.013	0.134	0.008	0	0	0	---	---	0.028	1976
1977	---	0.007	0.007	0.005	0.010	0	0	0	0	0	---	---	0.003	1977
1978	---	---	0.015	0.007	0.004	0.006	0	0	0.017	0.001	---	---	0.018	1978
1979	---	---	0.142	0.727	0.836	0.009	0.001	0	0	0	---	---	0.213	1979
1980	---	---	0.001	0.006	0.002	0	0	0	0	0	---	---	0.001	1980
1981	---	0.002	0.003	0.006	0.005	0.088	0	0	0	0	---	---	0.012	1981
1982	---	---	0.002	0.033	0.130	0.731	0.001	0	0	0	---	---	0.110	1982
1983	---	---	0.002	0.057	0.387	0.014	0.221	0	0	0	---	---	0.068	1983
1984	---	---	0.045	0.014	0.010	0.003	0	0	0	0	---	---	0.008	1984
1985	---	---	0.008	0.040	0.118	0.018	0	0	0	0	---	---	0.023	1985
1986	0.035	0.212	0.005	0.014	0.058	0.001	0	0	1.07	0.139	---	---	0.158	1986
1987	---	0.223	0.019	0.358	0.018	0.002	0	0	0	0	---	---	0.048	1987
1988	---	0.030	0.004	0.008	0.002	0	0	0	0	0	---	---	0.002	1988
MEAN	0.035	0.119	0.088	0.482	0.340	0.133	0.022	0.008	0.042	0.008	---	---	0.140	MEAN

LOCATION - LAT 49 46 13 N DRAINAGE AREA, 235 km²
LONG 109 38 15 W REGULATED

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1983

CAP CREEK BELOW DOWNIE LAKE DIVERSION - STATION NO. 05HA069

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1944	---	18.2 ON MAR 17	0 ON MAR 1 *	2 520	1944
1945	---	0 ON MAR 1	0 ON MAR 1	0	1945
1946	---	0 ON MAR 1	0 ON MAR 1	0	1946
1947	---	2.07 E ON MAR 22	0 ON MAR 1	178	1947
1948	---	0 ON MAR 1	0 ON MAR 1	0	1948
1949	---	0 ON MAR 1	0 ON MAR 1	0	1949
1950	---	0.501E ON APR 15	0B ON MAR 1	81.2	1950
1951	---	7.85 ON APR 28	0B ON MAR 1	10 800	1951
1952	45.0 AT 21:00 MST ON APR 8	33.4 ON APR 8	0B ON MAR 1	19 800	1952
1953	14.0 AT 14:30 MST ON JUN 3	12.3 ON JUN 3	0B ON MAR 1	9 330	1953
1954	5.84 AT 08:00 MST ON JUN 11	5.07 ON JUN 11	0B ON MAR 1	3 150	1954
1955	53.0 E ON APR 9 *	45.3 E ON APR 9 *	0B ON MAR 1	25 000	1955
1956	0.176 AT 12:00 MST ON JUL 4	0.170B ON MAR 30	0B ON MAR 1	470	1956
1957	0.224 AT 07:00 MST ON JUN 15	0.186 ON APR 30	0 ON MAY 17	410	1957
1958	0.340B AT 02:30 MST ON APR 4	0.089 ON MAY 14	0 ON MAY 29	247	1958
1959	7.89 AT 20:00 MST ON JUN 27	2.14 ON JUN 27	0B ON MAR 4	491	1959
1960	4.76 AT 22:00 MST ON MAY 1	3.23 ON MAY 2	0B ON MAR 1	1 750	1960
1961	0.263B AT 09:00 ON MAR 15	0.113B ON MAR 14	0B ON MAR 2	38.2	1961
1962	11.5 AT 10:05 ON JUN 14	2.49 ON JUN 14	0 ON MAR 1	388	1962
1963	---	0.144 ON APR 10	0 ON JUN 1	241	1963
1964	0.323 AT 10:00 MST ON JUN 14	0.153A ON MAR 23	0 ON MAR 1	210	1964
1965	15.2 AT 01:00 MST ON APR 14	5.16 ON APR 13	0B ON MAR 12	4 880	1965
1966	3.78 AT 07:00 MST ON MAY 3	2.81 ON MAY 4	0B ON MAR 1	4 080	1966
1967	18.8 AT 23:45 ON MAY 7	17.6 ON MAY 7	0B ON MAR 7	13 800	1967
1968	0.284 AT 02:47 ON JUN 1	0.252 ON JUN 1	0 ON JUL 28	848	1968
1969	0.875 AT 19:43 MST ON JUL 4	0.812 ON JUL 5	0B ON MAR 1	1 020	1969
1970	17.7 AT 22:13 MST ON APR 6	7.78 ON APR 7	0 ON AUG 11	4 860	1970
1971	8.43 AT 04:51 CST ON JUN 7	4.84 ON JUN 7	0 ON MAY 30	3 430	1971
1972	5.66 AT 04:54 CST ON MAR 17	1.22 ON MAR 17	0B ON MAR 1	475	1972
1973	0.275 AT 05:58 CST ON APR 26	0.261 ON MAY 11	0 ON JUN 10	743	1973
1974	0.823 AT 15:12 CST ON MAY 21	0.647 ON MAY 22	0B ON MAR 1	1 080	1974
1975	28.3 AT 20:55 CST ON MAY 8	18.7 ON MAY 7	0B ON MAR 1	8 210	1975
1976	1.84 B AT 09:35 CST ON MAR 18	0.830B ON MAR 18	0B ON MAR 1	818	1976
1977	0.119 AT 03:35 CST ON MAY 20	0.093 ON MAY 20	0 ON MAR 17	56.0	1977
1978	0.438 AT 13:38 CST ON APR 8	0.422 ON APR 8	0B ON MAR 1	336	1978
1979	11.1 AT 02:26 CST ON APR 18	5.65 ON APR 18	0B ON MAR 1	4 500	1979
1980	0.017 AT 05:13 CST ON APR 20	0.016 ON APR 19	0B ON MAR 1	27.4	1980
1981	4.81 AT 20:34 CST ON JUN 14	1.90 R ON JUN 14	0R ON JUN 8	281	1981
1982	11.0 AT 01:06 CST ON JUN 4	7.08 ON JUN 3	0B ON MAR 1	2 330	1982
1983	8.15 AT 01:38 CST ON JUL 11	3.83 ON JUL 11	0B ON MAR 1	1 820	1983
1984	0.279 AT 10:31 CST ON MAR 25	0.158 ON MAR 24	0 ON JUN 17	193	1984
1985	0.732 AT 07:58 CST ON APR 2	0.441 ON MAY 14	0 ON MAR 1	490	1985
1986	30.8 AT 17:00 CST ON SEP 25	13.8 ON SEP 25	0 ON JUN 12	3 360	1986
1987	3.34 B AT 11:48 CST ON APR 5	2.02 ON APR 6	0 ON MAY 21	1 020	1987
1988	0.174 AT 17:25 CST ON APR 25	0.038 ON APR 25	0 ON MAY 18	35.2	1988
				2 980	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD
R - REVISED SINCE JAN 01 1987

CAP CREEK NEAR MAPLE CREEK - STATION NO. 05HA012

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1910	---	---	---	---	---	0	0	---	---	---	---	---	---	1910
1911	---	---	---	2.88	0.401	0.140	0.848	0	---	---	---	---	---	1911
1912	---	---	---	---	0.443	0.154	0.005	0.004	0	0	---	---	---	1912
1913	---	---	---	2.31	0.148	0.006	0.004	0	0	0	---	---	---	1913
1914	---	---	---	1.61	0.118	0.001	0	0	0.036	0.120	---	---	---	1914
1915	---	---	---	8.35	---	---	---	---	---	---	---	---	---	1915
MEAN	---	---	---	3.78	0.277	0.080	0.172	0.001	0.012	0.040	---	---	---	MEAN

LOCATION - LAT 49 58 28 N
LONG 109 31 48 W
DRAINAGE AREA, 712 km^2
NATURAL FLOW

CAP CREEK NEAR MAPLE CREEK - STATION NO. 05HA012

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1910	---	---	0 ON JUN 1 *	---	1910
1911	---	---	0 ON JUN 18	---	1911
1912	---	---	0 ON JUN 27	---	1912
1913	---	---	0 ON AUG 3	---	1913
1914	---	---	0E ON MAY 24	---	1914
1915	---	33.1 ON APR 3 *	---	---	1915
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

E - ESTIMATED

GARDEN RIVER NEAR HENRIBOURG - STATION NO. 05SG010

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1966	---	---	---	---	---	---	0.546	0.172	0.009	0.003	---	---	---	1966
1967	---	---	0.006	0.206	0.555	0.025	0.004	0.009	0	0	---	---	0.101	1967
1968	---	---	0.427	0.797	0.152	0.001	0	0	0.527	0.371	---	---	0.284	1968
1969	---	---	0	4.54	0.188	0.002	0	0	0	0.408	---	---	0.631	1969
1970	---	---	0	7.55	1.76	0.077	3.20	0.240	0.004	0.020	---	---	1.80	1970
1971	---	---	0	3.35	0.270	0.006	0.737	0.171	0	0	---	---	0.580	1971
1972	---	---	0	8.12	3.84	0.883	0.089	0.071	0.001	0	---	---	1.88	1972
1973	---	---	0.001	1.80	1.21	7.05	8.45	0.884	0.213	0.252	---	---	2.20	1973
1974	---	---	0.015	10.9	7.43	4.33	5.14	1.74	0.726	0.583	---	---	3.84	1974
1975	---	---	0	4.84	5.65	2.69	0.828	0.002	0.009	0.008	---	---	1.74	1975
1976	---	---	0	0.365	0.003	0	0	0	0	0	---	---	0.065	1976
1977	---	---	0	0.008	0.014	0.018	0.001	0	0	0.011	---	---	0.006	1977
1978	---	---	0	2.75	0.881	0.472	0.048	0	0.039	0.148	---	---	0.486	1978
1979	---	---	0	9.56	4.28	0.890	0.119	0.001	0.008	0.101	---	---	1.87	1979
1980	---	---	0	2.24	0.027	0	0	0	0.025	0.228	---	---	0.310	1980
1981	---	---	0.087	1.17	0.314	0.041	0	0	0	0	---	---	0.199	1981
1982	---	---	0	1.45	0.215	0	0	0	0.014	0.081	---	---	0.218	1982
1983	---	---	0	4.26	1.48	0.059	0.187	0.008	0	0	---	---	0.741	1983
1984	---	---	0.014	3.44	1.95	2.85	0.142	0	0	0.051	---	---	1.04	1984
1985	---	---	0.011	15.5	4.99	0.870	0.171	0.015	0	0.043	---	---	2.84	1985
1986	---	---	0.105	2.46	0.783	0.040	0	0	0	0	---	---	0.415	1986
1987	---	---	0	0.391	0.030	0	0.005	0.289	0.042	0.081	---	---	0.103	1987
1988	---	---	0.002	2.74	0.221	0	0	0	0	0	---	---	0.384	1988
MEAN	---	---	0.030	4.02	1.83	0.913	0.788	0.148	0.074	0.103	---	---	0.954	MEAN

LOCATION - LAT 53 23 38 N DRAINAGE AREA, 903 km²
LONG 108 38 38 W NATURAL FLOW

GARDEN RIVER NEAR HENRIBOURG - STATION NO. 05SG010

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1966	---	---	0 ON SEP 14 *	---	1966
1967	3.238 AT 09:00 CST ON APR 30	2.07 B ON APR 30	0 ON JUN 5	2 140	1967
1968	4.068 AT 10:00 CST ON MAR 30	3.45 B ON MAR 31	0 B ON MAR 14	8 230	1968
1969	21.1 B AT 01:00 CST ON APR 13	19.8 B ON APR 13	0 B ON MAR 1	13 400	1969
1970	20.2 AT 04:00 CST ON APR 18	18.9 ON APR 18	0 B ON MAR 1	33 800	1970
1971	15.3 AT 08:24 CST ON APR 17	15.1 ON APR 17	0 B ON MAR 1	11 900	1971
1972	39.9 AT 21:08 CST ON APR 24	38.8 ON APR 24	0 B ON MAR 1	33 500	1972
1973	20.8 AT 15:40 CST ON JUL 6	18.8 ON JUL 6	0 B ON MAR 1	48 800	1973
1974	82.7 AT 13:41 CST ON APR 21	51.0 ON APR 21 *	0.0145 ON MAR 1	81 400	1974
1975	15.4 AT 02:50 CST ON MAY 2	15.1 ON MAY 1	0 B ON MAR 1	38 900	1975
1976	3.03 AT 07:31 CST ON APR 11	1.83 ON APR 7	0 B ON MAR 1	955	1976
1977	---	0.158 ON JUN 1	0 B ON MAR 1	133	1977
1978	8.87 AT 19:08 CST ON APR 22	7.88 ON APR 22	0 B ON MAR 1	10 500	1978
1979	45.0 AT 21:30 CST ON APR 23	40.9 B ON APR 23	0 B ON MAR 1	39 700	1979
1980	11.4 AT 15:57 CST ON APR 16	11.0 ON APR 16	0 B ON MAR 1	8 550	1980
1981	2.078 AT 10:54 CST ON APR 7	1.83 B ON APR 6	0 B ON MAR 1	4 210	1981
1982	6.03 AT 14:01 CST ON APR 23	5.95 ON APR 23	0 B ON MAR 1	4 620	1982
1983	21.1 AT 23:01 CST ON APR 23	20.1 ON APR 24	0 B ON MAR 1	15 600	1983
1984	13.1 AT 12:17 CST ON APR 10	12.8 ON APR 10	0 B ON MAR 1	22 100	1984
1985	53.8 AT 07:21 CST ON APR 22 *	50.9 ON APR 22	0 B ON MAR 14	55 800	1985
1986	8.468 AT 06:23 CST ON APR 9	7.74 B ON APR 9	0 B ON MAR 1	6 780	1986
1987	2.29 AT 12:01 CST ON APR 10	1.88 ON APR 10	0 B ON MAR 1	2 180	1987
1988	12.0 AT 05:58 CST ON APR 15	11.8 ON APR 15	0 B ON MAR 1	7 700	1988
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		20 200	MEAN

GEIKIE RIVER BELOW WHEELER RIVER - STATION NO. 05DA004

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1966	---	---	---	---	---	---	---	44.1	36.6	31.0	28.0	25.3	---	1966
1967	23.8	22.5	21.7	31.7	107	75.1	86.6	58.3	39.3	32.6	31.3	27.8	46.8	1967
1968	18.2	17.5	17.2	23.7	52.7	44.8	42.2	27.8	29.5	51.9	44.1	32.8	33.7	1968
1969	29.9	26.8	26.9	46.4	80.2	44.0	32.8	27.4	23.7	32.1	31.0	27.2	34.2	1969
1970	25.0	23.7	23.8	23.7	50.7	42.4	41.3	40.5	44.8	43.0	41.1	31.0	35.8	1970
1971	28.8	26.3	23.9	36.1	53.9	40.1	90.7	60.0	52.7	50.2	48.2	42.5	43.5	1971
1972	36.9	37.9	37.1	35.2	62.2	54.5	48.4	38.1	34.0	48.3	40.9	32.4	44.0	1972
1973	35.1	32.5	31.0	37.2	54.3	53.9	77.2	59.2	43.7	36.2	36.6	35.1	46.5	1973
1974	33.6	32.6	32.3	43.6	57.2	48.0	81.2	64.2	63.5	55.7	49.9	47.3	49.3	1974
1975	42.7	36.7	36.2	43.7	80.3	70.5	101	79.6	59.1	55.0	48.3	38.7	58.0	1975
1976	38.5	38.6	42.5	54.6	52.5	43.1	58.5	117	120	97.8	76.6	55.0	68.7	1976
1977	41.4	49.0	47.7	58.1	96.9	119	109	65.6	79.9	69.2	55.7	44.0	74.2	1977
1978	38.5	42.2	41.9	37.3	104	82.8	56.3	76.3	90.2	93.1	71.1	58.5	67.6	1978
1979	52.6	54.4	53.7	45.5	96.4	91.1	72.3	58.5	64.5	59.6	53.2	47.9	65.3	1979
1980	44.3	44.6	44.6	60.6	95.9	38.9	34.3	40.0	41.6	55.2	46.3	33.4	44.6	1980
1981	30.0	30.2	32.6	36.4	92.3	58.2	36.0	24.7	19.5	19.3	20.9	19.3	38.1	1981
1982	10.3	5.56	5.52	11.6	74.9	77.7	60.9	65.3	54.4	43.1	33.5	32.5	39.6	1982
1983	31.5	30.1	29.6	42.3	58.7	51.9	55.9	49.6	64.1	51.9	52.2	37.6	49.7	1983
1984	31.9	31.4	33.9	56.3	56.6	59.5	42.6	34.1	29.6	30.6	32.6	29.6	40.9	1984
1985	24.6	24.3	27.1	32.4	112	89.5	80.5	64.4	91.3	63.3	36.6	26.5	48.2	1985
1986	24.6	25.3	25.5	36.6	97.0	76.9	72.7	82.2	49.6	43.9	33.3	29.6	48.0	1986
1987	28.6	29.4	30.7	44.3	90.6	43.0	27.1	19.4	20.7	20.1	18.3	19.5	30.3	1987
1988	17.1	17.6	19.1	21.7	71.5	63.3	59.2	49.2	49.3	45.0	43.6	40.7	41.6	1988
MEAN	31.2	31.0	31.1	40.6	74.7	63.5	60.1	53.3	50.3	49.5	42.6	36.3	47.3	MEAN

LOCATION - LAT 57 35 20 N DRAINAGE AREA, 7 730 km²
LONG 104 13 10 W NATURAL FLOW

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1965	---	---	---	---	1965
1967	---	118 E ON MAY 10	21.0 B ON APR 7	1 410 000	1967
1968	74.8 AT 22:00 CST ON APR 24	97.5 ON MAY 11	18.8 B ON MAR 13	1 080 000	1968
1969	---	74.8 ON APR 25	22.1 E ON OCT 8	1 030 000	1969
1970	---	88.0E ON MAY 18	21.5 B ON APR 18	1 130 000	1970
1971	73.3 AT 18:42 CST ON JUL 13	72.8 ON JUL 13	22.7 B ON APR 15	1 270 000	1971
1972	108 AT 19:07 CST ON MAY 4	107 ON MAY 4	28.6 ON DEC 8	1 390 000	1972
1973	80.8 AT 18:11 CST ON JUL 14	80.8 ON JUL 15	30.3 ON MAR 29	1 430 000	1973
1974	78.2 AT 00:44 CST ON APR 30	78.2 ON APR 30	31.7 B ON APR 2	1 550 000	1974
1975	123 AT 08:48 CST ON JUL 4	122 ON JUL 3	35.1 B ON APR 5	1 830 000	1975
1976	157 AT 23:48 CST ON JUL 31 *	157 ON JUL 31	34.8 ON APR 2	2 170 000	1976
1977	126 AT 23:05 CST ON JUN 9	126 ON JUN 11	37.9 B ON JAN 11	2 340 000	1977
1978	---	127 A ON MAY 5	33.7 B ON JAN 9	2 140 000	1978
1979	---	159 E ON MAY 28 *	38.9 ON APR 18	2 080 000	1979
1980	81.3 AT 12:48 CST ON APR 24	80.8 ON APR 24	28.5 ON JUL 11	1 430 000	1980
1981	112 AT 11:30 CST ON MAY 12	112 ON MAY 13	18.4 B ON DEC 31	1 110 000	1981
1982	89.4 AT 23:21 CST ON JUN 12	88.9 ON JUN 12	4.94B ON MAR 3 *	1 280 000	1982
1983	98.4 AT 18:42 CST ON JUN 16	95.7 ON JUN 16	26.1 B ON APR 5	1 570 000	1983
1984	118 AT 13:14 CST ON APR 22	116 ON APR 22	25.1 ON SEP 8	1 390 000	1984
1985	138 AT 09:09 CST ON MAY 8	136 ON MAY 8	23.5 B ON FEB 14	1 490 000	1985
1986	126 AT 14:31 CST ON MAY 23	124 ON MAY 22	24.1 B ON FEB 8	1 510 000	1986
1987	71.2 AT 11:21 CST ON APR 30	70.2 ON APR 28	16.2 ON NOV 23	855 000	1987
1988	94.9 AT 21:03 CST ON MAY 9	94.4 ON MAY 9	15.5 ON JAN 18	1 320 000	1988
				1 490 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

GIBSON CREEK NEAR RADVILLE - STATION NO. 05NA005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1959	---	---	0	0	0	0.124	0.017	0	0	0	---	---	0.017	1959
1980	---	---	1.25	0.191	0.001	0	0	0	0	0	---	---	0.182	1980
1981	---	---	0.004	0	0	0	0	0	0	0	---	---	0	1981
1982	---	---	0.588	0.126	0.001	0.002	0	0	0	0	---	---	0.080	1982
1983	---	---	0.204	0.053	0.004	0.045	0.024	0	0	0	---	---	0.041	1983
1984	---	---	0	0.277	0.013	0	0	0	0	0	---	---	0.038	1984
1985	---	---	0	1.85	0.778	0.357	0.004	0	0.033	0.001	---	---	0.336	1985
1986	---	---	0.333	0.028	0.029	0	0	0.007	0	0	---	---	0.050	1986
1987	---	---	0.578	1.31	0.482	0.013	0	0	0	0	---	---	0.284	1987
1988	---	---	0.071	0	0	0	0	0.257	0.007	0	---	---	0.042	1988
1989	---	---	0	4.05	0.181	0.002	0.007	0.001	0	0	---	---	0.517	1989
1970	---	---	0.009	1.16	1.72	0.088	0	0	0	0	---	---	0.373	1970
1971	---	---	0.382	1.44	0.010	0.328	0.187	0	0	0	---	---	0.285	1971
1972	---	---	2.00	0.202	0.017	0.337	0.001	0	0	0	---	---	0.321	1972
1973	---	---	0	0	0	0	0	0	0	0	---	---	0	1973
1974	---	---	0	3.83	0.523	0.052	0	0	0	0	---	---	0.541	1974
1975	---	---	0	4.24	0.481	0.042	0.088	0	0	0	---	---	0.589	1975
1976	---	---	4.12	2.62	0.043	1.72	0.030	0.002	0	0	---	---	1.08	1976
1977	---	---	0	0.002	0.011	0	0.004	0.012	0.002	0.001	---	---	0.004	1977
1978	---	---	2.53	0.355	0.022	0.440	5.24	0.022	0.322	0.031	---	---	1.13	1978
1979	---	---	0.545	5.15	1.86	0.435	0.012	0	0	0	---	---	1.00	1979
1980	---	---	0.031	0.050	0	0	0	0	0	0	---	---	0.010	1980
1981	---	0.058	0.011	0	0	0.015	0	0	0	0	---	---	0.003	1981
1982	---	---	0	4.05	0.059	0.017	0.466	0.001	0	0	---	---	0.596	1982
1983	---	---	0.103	3.05	0.081	0.003	0	0	0	0	---	---	0.397	1983
1984	---	---	0	0	0	0	0	0	0	0	---	---	0	1984
1985	---	---	0.181	0.001	0	0	0	0	0	0	---	---	0.020	1985
1986	---	0.175	0.675	0	0.026	0	0	0	0	0	---	---	0.089	1986
1987	---	---	0.104	0.389	0	0	0	0	0	0	---	---	0.061	1987
1988	---	---	0	0	0	0	0	0	0	0	---	---	0	1988
MEAN	---	0.117	0.458	1.14	0.215	0.134	0.203	0.010	0.012	0.001	---	---	0.289	MEAN

LOCATION - LAT 49 28 02 N
LONG 104 20 11 W
DRAINAGE AREA, 528 km^2
REGULATED

GIBSON CREEK NEAR RADVILLE - STATION NO. 05NA005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1989	---	2.01 ON JUN 26	0 ON MAR 1 *	389	1989
1990	---	15.2 ON MAR 27	0B ON MAR 1	3 650	1990
1991	---	0.0319 ON MAR 15	0B ON MAR 1	10.0	1991
1992	6.85 AT 07:30 CST ON MAR 27	6.76 ON MAR 28	0B ON MAR 1	1 900	1992
1993	1.71 B AT 15:30 CST ON MAR 22	1.49 B ON MAR 23	0B ON MAR 1	575	1993
1994	1.72 A AT 13:15 CST ON APR 4	1.40 A ON APR 4	0 ON MAR 1	753	1994
1995	19.1 AT 14:30 CST ON APR 13	16.2 ON APR 13	0B ON MAR 1	7 120	1995
1996	2.22 A AT 18:00 CST ON MAR 16	2.10 A ON MAR 16	0B ON MAR 1	1 080	1996
1997	13.8 B AT 19:30 CST ON APR 8	8.26 B ON APR 9	0B ON MAR 1	6 310	1997
1998	5.44 AT 01:00 CST ON AUG 22	2.34 ON AUG 22	0B ON MAR 28	898	1998
1999	---	28.7 B ON APR 9	0B ON MAR 1	11 000	1999
1970	20.8 AT 08:12 CST ON MAY 3	16.5 ON MAY 3	0B ON MAR 1	7 880	1970
1971	10.1 B AT 02:06 CST ON APR 1	7.98 B ON APR 1	0B ON MAR 1	8 040	1971
1972	15.4 AT 12:14 CST ON MAR 16	13.7 ON MAR 17	0B ON MAR 1	6 780	1972
1973	0 B AT 00:00 CST ON MAR 1	0 B ON MAR 1	0B ON MAR 1	0	1973
1974	24.4 AT 14:36 CST ON APR 14	18.8 ON APR 14	0B ON MAR 1	11 800	1974
1975	30.8 B AT 13:00 CST ON APR 22	28.4 B ON APR 22	0B ON MAR 1	13 700	1975
1976	29.4 AT 00:54 CST ON APR 1	25.7 ON APR 1	0B ON MAR 1	22 600	1976
1977	0.328 AT 20:11 CST ON JUL 29	0.088 ON MAY 19	0B ON MAR 1	85.3	1977
1978	80.7 AT 16:28 CST ON JUL 8 *	56.4 ON JUL 8 *	0B ON MAR 1	23 800	1978
1979	40.1 B AT 17:08 CST ON APR 18	28.7 B ON APR 18	0B ON MAR 1	21 300	1979
1980	0.8138 AT 01:38 CST ON MAR 31	0.4388 ON MAR 31	0B ON MAR 1	210	1980
1981	1.01 AT 14:40 CST ON JUN 15	0.306 ON JUN 15	0 ON MAR 16	87.0	1981
1982	28.4 B AT 03:28 CST ON APR 15	18.7 B ON APR 15	0B ON MAR 1	12 000	1982
1983	14.1 AT 14:48 CST ON APR 11	11.7 ON APR 11	0B ON MAR 1	8 410	1983
1984	0 AT 00:00 CST ON MAR 1	0 ON MAR 1	0 ON MAR 1	0	1984
1985	2.42 B ON MAR 15	0.8808 ON MAR 15	0B ON MAR 1	434	1985
1986	---	2.82 B ON MAR 2	0 ON MAR 31	1 880	1986
1987	8.18 B AT 17:34 CST ON APR 1	3.48 B ON APR 1	0B ON MAR 1	1 200	1987
1988	---	0 ON MAR 1	0 ON MAR 1	0	1988
				5 700	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

GILCHRIST BROS. DAVIS CREEK DITCH NEAR VIDORA - STATION NO. 11AC050

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1927	---	---	0	0	0	0.001	0	0	0	0	---	---	0	1927
1928	---	---	---	---	---	---	---	---	---	---	---	---	---	1928
MEAN	---	---	0	0	0	0.001	0	0	0	0	---	---	0	MEAN

LOCATION - LAT 49 30 20 N
LONG 109 30 12 W REGULATED

GILCHRIST BROS. DAVIS CREEK DITCH NEAR VIDORA - STATION NO. 11AC050

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1927	---	0.011E ON JUN 26 *	0 ON MAR 1 *	3.80	1927
1928	---	---	0 ON MAR 30	---	1928
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		3.80	MEAN

E - ESTIMATED

GILCHRIST BROS. DITCH NEAR CONSUL - STATION NO. 11AB025

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1914	---	---	0	0	0.012	0.029	0	0	0.026	0.010	---	---	0.009	1914
1915	---	---	0	0	0	0	0	0	0	0	---	---	0	1915
1916	---	---	0	0	0	0	0	0	0	0	---	---	0	1916
1917	---	---	0	0	0	0	0	0	0	0	---	---	0	1917
1918	---	---	0	0	0	0	0	0	0	0	---	---	0	1918
1919	---	---	0	0	0	0	0	0	0	0	---	---	0	1919
1920	---	---	0	0	0	0	0	0	0	0	---	---	0	1920
1921	---	---	0	0	0	0	0	0	0	0	---	---	0	1921
1922	---	---	0	0	0	0	0	0	0	0	---	---	0	1922
1923	---	---	0	0	0	0	0	0	0	0	---	---	0	1923
1924	---	---	0	0	0	0	0	0	0	0	---	---	0	1924
1925	---	---	0	0	0	0	0	0	0	0	---	---	0	1925
1926	---	---	0	0	0	0	0	0	0	0	---	---	0	1926
1927	---	---	0	0	0	0	0	0	0	0	---	---	0	1927
1928	---	---	0	0	0	0	0	0	0	0	---	---	0	1928
1929	---	---	0	0	0	0	0	0	0	0	---	---	0	1929
MEAN	---	---	0	0	0.001	0.003	0	0	0.002	0.001	---	---	0.001	MEAN

LOCATION - LAT 49 31 50 N
LONG 109 32 35 W REGULATED

GILCHRIST BROS. DITCH NEAR CONSUL - STATION NO. 11AB026

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1914	---	0.162 ON JUN 15 *	0 ON MAR 1 *	200	1914
1915	---	0 ON MAR 1	0 ON MAR 1	0	1915
1916	---	0 ON MAR 1	0 ON MAR 1	0	1916
1917	---	0 ON MAR 1	0 ON MAR 1	0	1917
1918	---	0 ON MAR 1	0 ON MAR 1	0	1918
1919	---	0 ON MAR 1	0 ON MAR 1	0	1919
1920	---	0 ON MAR 1	0 ON MAR 1	0	1920
1921	---	0 ON MAR 1	0 ON MAR 1	0	1921
1922	---	0 ON MAR 1	0 ON MAR 1	0	1922
1923	---	0 ON MAR 1	0 ON MAR 1	0	1923
1924	---	0 ON MAR 1	0 ON MAR 1	0	1924
1925	---	0 ON MAR 1	0 ON MAR 1	0	1925
1926	---	0 ON MAR 1	0 ON MAR 1	0	1926
1927	---	0 ON MAR 1	0 ON MAR 1	0	1927
1928	---	0 ON MAR 1	0 ON MAR 1	0	1928
1929	---	0 ON MAR 1	0 ON MAR 1	0	1929
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		12	MEAN

GIRARD CREEK NEAR CORONACH - STATION NO. 11AE015

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1980	---	---	0.215	0.125	0.564	0.080	0.075	0.087	0.084	0.087	---	---	0.169	1980
1981	---	---	0.180	0.117	0.120	0.144	0.101	0.092	0.109	0.112	---	---	0.128	1981
1982	---	---	0.135	4.74	0.231	0.171	---	---	0.088	0.144	---	---	---	1982
1983	---	---	0.178	0.156	0.138	0.127	0.111	0.108	0.097	0.103	---	---	0.127	1983
1984	---	0.186	0.327	0.140	0.136	0.231	0.123	0.118	0.138	0.137	---	---	0.187	1984
1985	---	0.262	0.371	0.170	0.117	0.122	0.125	0.120	0.132	0.130	---	---	0.161	1985
1986	---	1.20	0.704	0.117	0.133	0.103	0.107	0.104	0.075	0.078	---	---	0.170	1986
1987	---	0.228	0.156	0.100	0.083	0.082	0.070	0.082	0.084	0.101	---	---	0.105	1987
1988	---	---	0.087	0.105	0.083	0.082	0.085	0.089	0.075	0.087	---	---	0.077	1988
MEAN	---	0.482	0.280	0.848	0.124	0.124	0.103	0.098	0.100	0.108	---	---	0.131	MEAN

LOCATION - LAT 49 05 45 N
LONG 105 33 52 W

DRAINAGE AREA, 880 km^2
REGULATED

GIRARD CREEK NEAR CORONACH - STATION NO. 11AE015

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1980	1.30 AT 04:45 CST ON MAR 30	0.840 ON MAR 30	0.0808 ON MAR 1	2 250	1980
1981	---	0.268 ON JUL 14	0.064 ON AUG 24	2 850	1981
1982	49.0 B AT 01:05 CST ON APR 14 *	42.4 B ON APR 14 *	---	---	1982
1983	---	0.299 ON MAR 1	0.068 ON SEP 12	2 700	1983
1984	5.00 AT 03:34 CST ON JUN 21	3.18 ON JUN 21	0.089 ON AUG 18	3 830	1984
1985	---	0.858 ON MAR 15	0.080 ON JUL 11	3 410	1985
1986	---	3.80 ON MAR 1	0.022 ON SEP 2	3 600	1986
1987	1.28 AT 13:30 CST ON APR 1	0.790 ON APR 1	0.048 ON JUL 15	2 220	1987
1988	0.884 AT 18:44 CST ON MAY 24	0.119 ON MAR 8	0.019 ON OCT 23 *	1 630	1988
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		2 770	MEAN

GOOSEHUNTING CREEK NEAR BEATTY - STATION NO. 05KA005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1958	---	---	---	2.17	0.078	---	---	---	---	---	---	---	---	1958
1960	---	---	---	5.11	0.400	---	---	---	---	---	---	---	---	1960
1962	---	---	---	2.38	1.17	0.333	---	---	---	---	---	---	---	1962
1965	---	---	0	3.88	0.135	0.083	0.131	0.075	0	0	---	---	0.540	1965
1966	---	---	0	5.29	0.214	0.128	0.108	0.017	0.015	0	---	---	0.708	1966
1967	---	---	0	1.11	4.06	0.042	0	0	0	0	---	---	0.855	1967
1968	---	---	1.00	0.776	0.035	0.002	0	0	0	0	---	---	0.227	1968
1969	---	---	0	4.27	0.088	0	0.001	0	0	0	---	---	0.631	1969
1970	---	---	0	5.81	0.941	0.008	0.071	0.002	0	0	---	---	0.975	1970
1971	---	---	0	4.80	0.237	0	0.008	0.015	0	0	---	---	0.821	1971
1972	---	---	0	10.3	1.10	0.037	0	0	0	0	---	---	1.40	1972
1973	---	---	0	0.048	0.014	1.84	0.229	0	0	0	---	---	0.282	1973
1974	---	---	0	18.8	8.04	0.594	0.008	0	0	0	---	---	2.88	1974
1975	---	---	0	5.12	7.28	0.494	0.038	0	0	0	---	---	1.62	1975
1976	---	---	0	2.01	0.040	0	0	0	0	0	---	---	0.262	1976
1977	---	---	0	0.301	0.141	0.120	0.001	0	0	0	---	---	0.070	1977
1978	---	---	0	8.45	0.351	0.012	0.057	0.008	0	0	---	---	0.844	1978
1979	---	---	0	10.8	5.01	1.05	0.488	0.001	0	0	---	---	2.12	1979
1980	---	---	0	5.82	0.148	0	0	0	0	0	---	---	0.707	1980
1981	---	---	0.001	0.018	0.008	0	0	0	0	0	---	---	0.003	1981
1982	---	---	0	2.84	0.174	0.188	0	0	0	0	---	---	0.386	1982
1983	---	---	0	1.35	0.545	0.013	0.184	0.110	0	0	---	---	0.271	1983
1984	---	---	0.170	1.88	0.781	0.815	0.091	0	0	0	---	---	0.488	1984
1985	---	---	0	13.8	0.407	0.013	0	0	0	0	---	---	1.72	1985
1986	---	---	0.121	1.26	0.117	0	0	0	0	0	---	---	0.185	1986
1987	---	---	0	1.35	0.002	0	0	0	0	0	---	---	0.188	1987
1988	---	---	0	5.23	0.085	0	0	0	0	0	---	---	1.02	1988
MEAN	---	---	0.054	4.84	1.09	0.234	0.055	0.010	0.001	0	---	---	0.775	MEAN

LOCATION - LAT 52 54 25 N DRAINAGE AREA, 810 km²
LONG 104 50 18 W REGULATED

GOOSEHUNTING CREEK NEAR BEATTY - STATION NO. 05KA005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1958	---	---	---	---	1958
1960	---	---	---	---	1960
1962	---	---	---	---	1962
1965	---	24.8 B ON APR 13	0.0 ON MAR 1 *	11 400	1965
1966	---	14.8 ON APR 14	0.0 ON MAR 1	15 000	1966
1967	---	15.4 B ON APR 30	0.0 ON MAR 1	13 900	1967
1968	---	5.75 B ON MAR 27	0.0 ON MAR 1	4 800	1968
1969	37.1 B AT 11:00 CST ON APR 12	29.4 ON APR 13	0.0 ON MAR 1	11 300	1969
1970	---	21.7 B ON APR 12	0.0 ON MAR 1	20 900	1970
1971	25.7 AT 07:14 CST ON APR 14	23.2 ON APR 14	0.0 ON MAR 1	13 100	1971
1972	---	42.8 ON APR 22	0.0 ON MAR 1	28 700	1972
1973	8.16 AT 03:31 CST ON JUN 7	7.93 ON JUN 7	0.0 ON MAR 1	5 540	1973
1974	---	107 ON APR 20 *	0.0 ON MAR 1	80 900	1974
1975	32.0 AT 08:08 CST ON APR 30	29.2 ON APR 30	0.0 ON MAR 1	34 300	1975
1976	---	8.44 ON APR 8	0.0 ON MAR 1	5 330	1976
1977	---	1.33 ON APR 13	0.0 ON MAR 1	1 470	1977
1978	---	33.1 B ON APR 11	0.0 ON MAR 1	17 400	1978
1979	53.0 AT 08:00 CST ON APR 26 *	50.0 ON APR 26	0.0 ON MAR 1	44 900	1979
1980	25.7 B AT 01:12 CST ON APR 18	22.4 B ON APR 18	0.0 ON MAR 1	15 000	1980
1981	0.071 AT 21:48 CST ON APR 11	0.081 ON APR 11	0.0 ON MAR 1	71.5	1981
1982	16.1 AT 13:08 CST ON APR 17	14.0 ON APR 17	0.0 ON MAR 1	7 750	1982
1983	7.11 AT 12:38 CST ON APR 22	6.81 ON APR 22	0.0 ON MAR 1	5 740	1983
1984	8.78 AT 07:48 CST ON APR 8	8.44 ON APR 8	0.0 ON MAR 1	9 700	1984
1985	48.0 AT 10:08 CST ON APR 15	44.4 ON APR 15	0.0 ON MAR 1	38 400	1985
1986	8.52 AT 10:33 CST ON APR 1	8.30 ON APR 1	0.0 ON MAR 1	3 810	1986
1987	8.41 AT 13:56 CST ON APR 8	8.13 ON APR 8	0.0 ON MAR 1	3 810	1987
1988	42.1 AT 15:33 CST ON APR 9	37.5 ON APR 11	0.0 ON MAR 1	21 500	1988
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		18 400	MEAN

GREASE RIVER BELOW FONTAINE LAKE - STATION NO. 07LE003

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1973	---	---	---	---	---	---	---	---	---	13.4	12.8	13.0	---	1973
1974	13.0	13.0	---	---	---	---	36.2	45.4	28.6	20.6	---	---	---	1974
1976	---	---	---	---	---	53.7	38.7	30.1	26.2	24.4	23.7	22.7	---	1976
1977	21.0	19.6	18.7	18.7	26.1	52.8	62.7	56.6	52.6	58.3	48.2	40.3	40.7	1977
1978	---	---	---	---	27.7	40.8	39.0	32.8	27.8	25.7	24.3	23.8	---	1978
1979	21.9	21.6	19.2	18.8	18.8	31.2	30.2	22.0	17.6	16.8	17.1	18.8	20.8	1979
1980	15.5	14.8	13.4	13.1	15.3	19.8	20.0	15.7	11.8	8.56	8.63	8.48	13.8	1980
1981	8.32	8.36	8.26	8.64	10.8	17.8	16.4	15.9	13.3	11.3	10.7	11.3	11.9	1981
1982	10.8	10.7	10.4	10.8	14.6	36.6	41.6	31.6	27.3	27.0	24.4	23.3	22.5	1982
1983	22.0	20.8	19.7	19.2	19.6	34.3	37.3	37.6	30.7	24.8	23.2	22.0	25.9	1983
1984	21.2	20.0	18.2	19.1	28.0	33.6	39.6	48.3	50.6	43.0	36.3	33.3	32.6	1984
1985	26.3	24.6	23.1	21.6	44.3	51.6	34.0	25.1	20.4	16.6	16.9	16.4	26.8	1985
1986	15.8	15.6	14.6	14.1	23.6	46.6	46.3	47.2	43.6	34.0	28.7	26.6	29.9	1986
1987	24.0	22.6	21.1	20.8	34.6	39.6	31.6	23.6	18.9	16.6	16.2	17.6	23.9	1987
1988	18.0	17.0	15.8	14.7	17.4	34.7	44.8	43.1	36.4	34.7	35.2	36.6	29.1	1988
MEAN	18.3	17.4	15.6	15.0	23.3	37.9	37.6	34.0	30.3	25.6	23.6	22.3	25.3	MEAN

LOCATION - LAT 59 32 50 N, LONG 108 24 40 W. DRAINAGE AREA, 4 840 km². NATURAL FLOW

GREASE RIVER BELOW FONTAINE LAKE - STATION NO. 07LE003

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1973	---	---	---	---	1973
1974	---	---	---	---	1974
1976	---	---	---	---	1976
1977	---	57.7 ON JUL 1 *	18.3 ON APR 3	1 280 000	1977
1978	43.6 AT 12:22 CST ON JUN 17	43.6 ON JUN 16	---	---	1978
1979	34.0 AT 15:16 CST ON JUN 28	33.8 ON JUN 28	16.0 R ON DEC 29	855 000	1979
1980	21.6 AT 17:04 CST ON JUL 1	21.6 ON JUL 1	8.31 ON NOV 29	438 000	1980
1981	---	20.0E ON JUN 30	8.20E ON FEB 26 *	378 000	1981
1982	---	45.0 ON JUL 6	10.6 R ON MAR 16	709 000	1982
1983	41.3 AT 15:43 CST ON AUG 1	41.1 ON AUG 1	17.6 ON MAY 8	817 000	1983
1984	53.6 AT 15:03 CST ON AUG 30	53.4 ON SEP 7	17.6 ON MAR 21	1 040 000	1984
1985	61.1 AT 14:46 CST ON MAY 27 *	60.7 ON MAY 26	15.7 A ON NOV 8	847 000	1985
1986	49.6 AT 15:33 CST ON JUL 30	49.0 ON JUL 19	13.7 ON MAY 1	842 000	1986
1987	---	41.6E ON JUN 14	15.7 ON NOV 8	756 000	1987
1988	48.6 AT 10:16 CST ON JUL 29	48.3 ON JUL 29	14.2 ON MAY 2	821 000	1988
				798 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX). B - ICE CONDITIONS. E - ESTIMATED. * - EXTREME RECORDED FOR THE PERIOD OF RECORD. R - REVISED SINCE JAN 01 1987

GREENWATER CREEK NEAR CHELAN - STATION NO. 08LB009

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1956	---	---	---	0.022	1.38	---	---	---	---	---	---	---	---	1956
1957	---	---	---	1.03	1.26	---	---	---	---	---	---	---	---	1957
1958	---	---	---	0.217	---	---	---	---	---	---	---	---	---	1958
1959	---	---	0.118	---	---	---	---	---	---	---	---	---	---	1959
1961	---	---	---	0.838	---	---	---	---	---	---	---	---	---	1961
1962	---	---	---	0.598	---	---	---	---	---	---	---	---	---	1962
1963	---	---	---	0.191	---	---	---	---	---	---	---	---	---	1963
1964	---	---	---	0.488	---	---	---	---	---	---	---	---	---	1964
1965	---	---	---	0.283	0.484	---	---	---	---	---	---	---	---	1965
1966	---	---	---	---	1.82	---	---	---	---	---	---	---	---	1966
1967	---	---	---	0.283	1.13	1.08	---	---	---	---	---	---	---	1967
1968	---	---	0.018	---	---	---	---	---	---	---	---	---	---	1968
1972	---	---	---	---	1.27	---	---	---	---	---	---	---	---	1972
1973	---	---	---	---	0.525	---	---	---	---	---	---	---	---	1973
1974	---	---	---	1.03	2.90	1.18	---	---	---	---	---	---	---	1974
1975	---	---	0	0.847	2.15	1.03	0.247	0.034	0.057	0.142	---	---	0.527	1975
1976	---	---	0.030	0.649	0.221	0.480	0.458	0.041	0.250	0.339	---	---	0.282	1976
1977	---	---	0.024	0.158	0.074	0.013	0.001	0.001	0.083	0.034	---	---	0.044	1977
1978	---	---	0	0.335	0.135	0.054	0.004	0	0	0	---	---	0.065	1978
1979	---	---	0	0.211	3.03	1.52	0.092	0	0	0	---	---	0.897	1979
MEAN	---	---	0.027	0.484	1.33	0.784	0.160	0.015	0.072	0.103	---	---	0.309	MEAN

LOCATION - LAT 52 36 30 N, LONG 103 23 10 W. DRAINAGE AREA, 219 km². NATURAL FLOW

GREENWATER CREEK NEAR CHELAN - STATION NO. 08LB009

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1956	---	---	---	---	1956
1957	---	---	---	---	1957
1958	---	---	---	---	1958
1959	---	---	---	---	1959
1961	---	---	---	---	1961
1962	---	---	---	---	1962
1963	---	---	---	---	1963
1964	---	---	---	---	1964
1965	---	---	---	---	1965
1966	---	---	---	---	1966
1967	---	---	---	---	1967
1968	---	---	---	---	1968
1972	---	---	---	---	1972
1973	---	---	---	---	1973
1974	---	---	---	---	1974
1975	---	4.70 ON APR 30	0 B ON MAR 1 *	11 400	1975
1976	---	2.06 ON JUN 26	0.003 ON JUL 30	6 170	1976
1977	---	0.787 ON APR 14	0 ON JUN 22	936	1977
1978	---	1.89 ON APR 21	0 B ON MAR 1	1 280	1978
1979	---	5.61 ON MAY 13 *	0 B ON MAR 1	12 900	1979
				5 890	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

HAMMOND DITCH NEAR GOVENLOCK - STATION NO. 11AB034

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1921	---	---	0	0.015	0.033	0	0	0	0	0	---	---	0.008	1921
1922	---	---	0	0	0.038	0	0	0	0	0	---	---	0.005	1922
MEAN	---	---	0	0.008	0.036	0	0	0	0	0	---	---	0.006	MEAN

LOCATION - LAT 48 05 55 N
LONG 120 50 20 W REGULATED

HAMMOND DITCH NEAR GOVENLOCK - STATION NO. 11AB034

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1921	---	0.045 ON APR 21	0 ON MAR 1 *	139	1921
1922	---	0.071 ON MAY 29 *	0 ON MAR 1	101	1922
				116	MEAN

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

HAPPYLAND CREEK NEAR FOX VALLEY - STATION NO. 05NB002

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1977	---	---	0	0	0	0	0	0	0	0	---	---	0	1977
1978	---	---	0	0	0	0	0	0	0	0	---	---	0	1978
1979	---	---	0.003	0.013	0	0	0	0	0	0	---	---	0.002	1979
1980	---	---	0	0	0	0	0	0	0	0	---	---	0	1980
1981	---	---	0	0	0	0	0	0	0	0	---	---	0	1981
1982	---	0	0.001	0.027	0	0	0	0	0	0	---	---	0.003	1982
1983	---	---	0	0	0	0	0	0	0	0	---	---	0	1983
1984	---	---	0	0	0	0	0	0	0	0	---	---	0	1984
1985	---	---	0.022	0.047	0	0	0	0	0	0	---	---	0.009	1985
1986	---	---	0	0	0	0	0	0	0	0	---	---	0	1986
1987	---	5.001	0	0	0	---	---	---	---	---	---	---	---	1987
MEAN	---	0.001	0.003	0.008	0	0	0	0	0	0	---	---	0.001	MEAN

LOCATION - LAT 50 43 57 N DRAINAGE AREA, 54.8 km^2
LONG 119 32 27 W REGULATED

HAPPYLAND CREEK NEAR FOX VALLEY - STATION NO. 05HB002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1977	0 B AT 00:01 CST ON MAR 1	0 B ON MAR 1	0E ON MAR 1 *	0	1977
1978	---	0.0018 ON APR 6	0E ON MAR 1	0.09	1978
1979	0.087 AT 07:58 CST ON APR 1	0.089 ON APR 1	0E ON MAR 1	41.8	1979
1980	---	0 B ON MAR 1	0E ON MAR 1	0	1980
1981	0 B AT 00:00 CST ON MAR 1	0 ON MAR 1	0 ON MAR 1	0	1981
1982	0.3388 AT 09:06 CST ON APR 8 *	0.13788 ON APR 9	0E ON MAR 1	73.4	1982
1983	0.127 AT 23:41 CST ON JUL 18	0.002 ON JUL 18	0 ON MAR 1	0.85	1983
1984	0 AT 00:00 CST ON MAR 1	0 B ON MAR 1	0E ON MAR 1	0	1984
1985	0.320 AT 00:30 CST ON MAR 27	0.255 ON MAR 27 *	0E ON MAR 1	192	1985
1986	0 AT 00:01 CST ON MAR 1	0 ON MAR 1	0 ON MAR 1	0	1986
1987	---	---	0E ON MAR 1	---	1987
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD R - REVISED SINCE JAN 01 1987		29.8	MEAN

HAULTAIN RIVER ABOVE NORBERT RIVER - STATION NO. 05BD001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1967	---	---	---	---	---	49.4	64.8	34.6	15.7	12.2	---	---	---	1967
1968	---	---	---	---	---	18.5	16.4	9.80	10.8	16.4	13.0	11.0	---	1968
1969	9.42	7.94	7.04	17.1	30.1	14.8	9.97	9.80	12.9	22.3	15.0	7.08	12.8	1969
1970	7.58	7.81	7.03	12.2	19.7	16.7	---	---	---	---	---	---	---	1970
1972	8.08	8.08	8.08	8.08	36.0	17.7	21.2	14.8	12.4	29.6	15.1	7.88	15.3	1972
1973	7.26	7.02	7.00	11.9	33.4	24.1	77.7	39.2	22.5	22.0	17.0	13.3	23.7	1973
1974	10.3	9.46	9.32	23.7	33.7	26.2	39.1	27.2	25.1	23.8	20.8	15.4	22.3	1974
1975	11.2	10.1	8.90	12.2	32.8	23.1	37.8	28.5	27.3	23.2	15.2	10.2	20.0	1975
1976	8.30	8.87	7.82	8.85	15.0	19.0	74.6	50.2	33.1	35.4	23.5	13.3	24.8	1976
1977	12.1	12.3	10.3	21.0	38.8	43.2	36.3	26.4	22.8	28.1	17.8	9.47	23.4	1977
1978	9.80	8.08	7.37	10.2	80.1	49.3	26.8	32.4	44.5	43.8	24.0	12.8	27.8	1978
1979	9.89	8.44	7.81	8.88	44.4	38.0	24.8	25.4	28.1	31.1	26.8	14.4	22.2	1979
1980	11.2	8.82	7.81	18.4	18.0	10.8	13.2	17.2	18.8	24.7	12.8	7.18	14.0	1980
1981	8.38	8.26	8.26	7.85	22.2	18.1	12.8	8.21	8.45	7.24	8.78	8.50	10.8	1981
1982	4.67	3.88	3.33	8.06	45.0	31.7	21.0	29.6	19.9	14.2	10.8	10.0	18.7	1982
1983	9.13	8.46	7.78	12.7	24.1	43.0	30.3	14.1	13.2	14.6	12.3	7.14	15.8	1983
1984	8.88	8.26	8.85	18.2	24.0	21.4	13.9	10.8	8.38	12.9	12.8	10.7	12.5	1984
1985	8.77	8.18	8.30	11.2	82.1	31.4	31.4	17.8	13.8	13.4	8.85	8.27	18.2	1985
1986	8.85	8.85	7.25	17.0	40.3	28.8	48.8	35.1	17.7	14.3	11.2	10.2	20.0	1986
1987	9.19	8.43	8.44	16.2	35.4	21.3	13.0	13.8	10.4	9.22	7.88	8.82	13.8	1987
1988	4.82	4.91	8.80	10.9	32.4	27.8	23.2	18.8	18.1	18.8	13.0	11.8	18.8	1988
MEAN	8.38	7.81	7.20	13.2	34.2	27.4	31.3	23.1	19.1	20.7	14.8	10.0	18.3	MEAN

LOCATION - LAT 58 14 40 N DRAINAGE AREA, 3 880 km^2
LONG 108 33 40 W NATURAL FLOW

HAULTAIN RIVER ABOVE NORBERT RIVER - STATION NO. 05BD001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1967	---	---	---	---	1967
1968	---	---	---	---	1968
1969	27.3B AT 08:00 CST ON APR 20	26.4 ON APR 23	8.40B ON DEC 23	403 000	1969
1970	---	---	---	---	1970
1972	---	48.4E ON MAY 11	5.97B ON APR 11	485 000	1972
1973	88.3 AT 21:45 CST ON JUL 19	87.4 ON JUL 20	8.60B ON FEB 22	748 000	1973
1974	86.9 AT 04:35 CST ON JUL 18	86.9 ON JUL 18	9.08B ON MAR 7	702 000	1974
1975	---	42.5E ON JUL 17	8.41B ON APR 8	630 000	1975
1976	111 AT 10:32 CST ON JUL 17 *	110 ON JUL 17 *	7.66B ON APR 4	788 000	1976
1977	---	53.6 ON APR 25	7.02B ON APR 13	739 000	1977
1978	81.8 AT 04:57 CST ON MAY 22	81.6 ON MAY 21	8.62B ON MAR 16	668 000	1978
1979	76.8 AT 07:43 CST ON MAY 26	75.7 ON MAY 26	8.66B ON APR 8	700 000	1979
1980	---	34.2E ON APR 25	8.30B ON DEC 4	443 000	1980
1981	38.5 AT 02:38 CST ON MAY 12	38.2 ON MAY 10	5.14B ON APR 18	336 000	1981
1982	52.8B AT 21:48 CST ON MAY 2	49.4 ON MAY 10	2.44B ON APR 5 *	527 000	1982
1983	86.5 AT 13:49 CST ON JUN 13	58.3 ON JUN 13	5.96B ON DEC 19	491 000	1983
1984	33.3 AT 23:30 CST ON MAY 22	33.0 ON MAY 22	4.63B ON MAR 15	395 000	1984
1985	84.8 AT 22:19 CST ON MAY 11	84.8 ON MAY 11	4.33B ON APR 8	573 000	1985
1986	---	58.8E ON JUL 30	6.21B ON FEB 19	630 000	1986
1987	---	51.0E ON MAY 3	4.61B ON DEC 31	428 000	1987
1988	41.2 AT 21:20 CST ON MAY 1	39.0 ON MAY 1	3.99B ON FEB 7	483 000	1988
	B - ICE CONDITIONS E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		577 000	MEAN

HAY CREEK AT FAQUIER'S RANCH - STATION NO. 05HA007

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1909	---	---	---	---	0.202	0.041	0.027	0	0	0	---	---	---	1909
1910	---	---	---	0	0	0	0	0	0	0	---	---	---	1910
1911	---	---	---	0.032	0.009	0.004	0.005	0.001	0.004	0.004	0.002	---	---	1911
1912	---	---	---	0.341	0.155	0.051	0.003	0.003	0	0.007	---	---	---	1912
1913	---	---	---	0.248	0.020	0	0	---	---	---	---	---	---	1913
1914	---	---	---	0.084	0	0	0	0	0	0.051	---	---	---	1914
MEAN	---	---	---	0.143	0.054	0.021	0.008	0.001	0.001	0.012	0.002	---	---	MEAN

LOCATION - LAT 49 51 10 N DRAINAGE AREA, 54.6 km²
LONG 108 22 26 W REGULATED

HAY CREEK AT FAQUIER'S RANCH - STATION NO. 05HA007

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1909	---	---	0 ON JUN 5 *	---	1909
1910	---	0.005 ON APR 1	0 ON APR 4	---	1910
1911	---	0.156 ON MAR 24	0 ON APR 2	---	1911
1912	---	1.06 ON MAY 26 *	0 ON JUN 11	---	1912
1913	---	0.823 ON APR 1	0 ON MAY 21	---	1913
1914	---	0.847 ON OCT 9	0 ON MAY 2	---	1914
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

HAY CREEK AT HAY CREEK SCHOOL - STATION NO. 05HA021

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1910	---	---	---	---	---	---	---	---	---	---	---	---	---	1910
1911	---	---	---	0.171	0.031	0.011	---	---	0.017	0.017	---	---	---	1911
1912	---	---	---	---	0.195	0.042	---	0.006	0.004	0.006	---	---	---	1912
1913	---	---	---	0.217	0.008	0.003	0.001	0	0	0	---	---	---	1913
1914	---	---	---	0.089	0.047	0.002	0	0	0	0.053	---	---	---	1914
1915	---	---	---	0.083	0.031	0.014	0.033	0.004	0.005	0.003	---	---	---	1915
1916	---	---	0.262	0.091	0.158	0.243	0.057	0.018	0.002	0.011	---	---	0.103	1916
1917	---	---	---	0.788	0.475	0.078	0.006	0	0.002	0.002	---	---	---	1917
1918	---	---	---	0.218	0.030	0.008	0.001	0	0	0	---	---	---	1918
1919	---	---	0.004	0.095	0.009	0.001	0	0	0	0	---	---	0.013	1919
1920	---	---	0.183	0.419	0.232	0.010	0.014	0.001	0	0	---	---	0.108	1920
1921	---	---	0.149	0.307	0.153	0.005	0.003	0	0	0.001	---	---	0.077	1921
MEAN	---	---	0.145	0.248	0.124	0.038	0.013	0.003	0.003	0.008	---	---	0.075	MEAN

LOCATION - LAT 49 50 38 N DRAINAGE AREA, 52.1 km²
LONG 108 22 00 W REGULATED

HAY CREEK AT HAY CREEK SCHOOL - STATION NO. 05HA021

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1910	---	---	0 ON MAY 28 *	---	1910
1911	---	---	---	---	1911
1912	---	---	---	---	1912
1913	---	---	0 ON JUN 30	---	1913
1914	---	---	0 ON JUN 8	---	1914
1915	---	---	---	---	1915
1916	---	0.548 ON APR 3	0.001 ON AUG 15	2 170	1916
1917	---	0.983 ON JUN 11	0 B ON APR 1	---	1917
1918	---	2.10 ON APR 13	0 ON JUL 5	---	1918
1919	---	3.40 B ON MAR 17 *	0 B ON MAR 1	388	1919
1920	---	0.249 ON APR 1	0 B ON MAR 1	2 240	1920
1921	---	1.56 ON APR 23	0 B ON MAR 3	1 830	1921
		1.39 ON APR 13		1 580	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

MAY MEADOW CREEK NEAR LISIEUX - STATION NO. 11AE010

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1968	---	---	0.550	0.095	0.050	0.018	0.013	0.019	0.040	0.081	---	---	0.103	1968
1969	---	---	0.485	2.01	0.118	0.014	0.051	0.030	0.005	0.028	---	---	0.338	1969
1970	---	---	0.262	0.998	0.408	0.065	0.017	0.015	0.019	0.018	---	---	0.221	1970
1971	---	---	0.422	0.490	0.070	0.042	0.028	0.004	0.004	0.026	---	---	0.130	1971
1972	---	---	0.658	0.084	0.237	0.077	0.030	0.038	0.022	0.033	---	---	0.148	1972
1973	---	---	0.180	0.147	0.118	0.108	0.013	0.012	0.010	0.016	---	---	0.078	1973
1974	---	---	0.852	1.32	0.288	0.058	0.022	0.091	0.018	0.082	---	---	0.318	1974
1975	---	---	0.283	3.12	0.238	0.093	0.042	0.084	0.050	0.071	---	---	0.487	1975
1976	---	---	2.41	0.283	0.035	0.125	0.101	0.010	0.017	0.026	---	---	0.380	1976
1977	---	---	0.077	0.113	0.155	0.858	0.074	0.024	0.052	0.068	---	---	0.078	1977
1978	---	---	1.37	0.338	0.223	0.081	0.083	0.026	0.050	0.040	---	---	0.278	1978
1979	---	---	0.370	1.14	0.328	0.048	0.030	0.019	0.026	0.043	---	---	0.249	1979
1980	---	---	0.321	0.248	0.051	0.021	0.028	0.041	0.040	0.045	---	---	0.088	1980
1981	---	---	0.101	0.088	0.048	0.124	0.013	0.024	0.017	0.032	---	---	0.053	1981
1982	---	---	0.797	1.50	0.488	0.138	0.051	0.020	0.022	0.048	---	---	0.378	1982
1983	---	0.298	0.254	0.148	0.207	0.030	0.203	0.022	0.020	0.045	---	---	0.117	1983
1984	---	0.092	0.234	0.085	0.038	0.081	0.018	0.018	0.025	0.022	---	---	0.085	1984
1985	---	---	0.382	0.148	0.051	0.025	0.018	0.020	0.058	0.079	---	---	0.088	1985
1986	---	---	0.494	0.072	0.283	0.031	0.031	0.014	0.035	0.057	---	---	0.126	1986
1987	---	0.089	0.223	0.284	0.033	0.013	0.023	0.024	0.017	0.023	---	---	0.078	1987
1988	---	---	0.100	0.053	0.076	0.017	0.012	0.010	0.010	0.018	---	---	0.037	1988
MEAN	---	0.162	0.508	0.803	0.188	0.059	0.042	0.028	0.026	0.042	---	---	0.183	MEAN

LOCATION - LAT 49 16 13 N DRAINAGE AREA, 187 km²
LONG 105 58 23 W NATURAL FLOW

MAY MEADOW CREEK NEAR LISIEUX - STATION NO. 11AE010

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1968	---	2.26 B ON MAR 2	0.003 ON AUG 14	2 170	1968
1969	---	10.4 B ON APR 4	0.003 ON SEP 18	7 160	1969
1970	---	5.84 B ON APR 7	0 B ON MAR 1 *	4 690	1970
1971	---	4.93 B ON MAR 30	0 B ON MAR 1	2 780	1971
1972	5.85 AT 09:27 CST ON MAR 30	4.08 B ON MAR 15	0.006 ON SEP 2	3 140	1972
1973	---	0.510 ON JUN 4	0.005 ON JUL 5	1 690	1973
1974	10.3 B AT 01:00 CST ON APR 10	8.20 B ON MAR 30	0.003 ON AUG 4	5 690	1974
1975	21.5 B AT 09:15 CST ON APR 22 *	20.2 B ON APR 22 *	0.025 ON AUG 6	10 300	1975
1976	---	17.6 B ON MAR 19	0.008 ON AUG 7	8 050	1976
1977	1.56 AT 15:59 CST ON MAY 28	0.856 ON MAY 28	0.010 ON JUL 4	1 810	1977
1978	10.4 AT 01:10 CST ON MAR 27	8.40 ON MAR 27	0 B ON MAR 1	5 840	1978
1979	10.8 AT 07:41 CST ON APR 18	9.50 ON APR 18	0.014 ON AUG 20	5 270	1979
1980	---	1.75 B ON MAR 30	0.008 ON JUL 31	2 100	1980
1981	---	0.281 ON JUN 23	0.001 ON JUL 8	1 120	1981
1982	10.7 B AT 22:20 CST ON APR 13	8.95 B ON APR 12	0.012 ON SEP 26	8 020	1982
1983	4.11 AT 21:26 CST ON JUL 10	2.14 ON JUL 11	0.014 ON AUG 18	2 470	1983
1984	1.87 B AT 04:18 CST ON MAR 21	1.55 B ON MAR 21	0.010 ON JUL 18	1 370	1984
1985	3.17 B AT 12:19 CST ON MAR 16	2.20 B ON MAR 16	0.567 ON JUN 20	2 090	1985
1986	---	2.46 B ON MAR 1	0.558 ON AUG 24	2 710	1986
1987	4.05 B AT 23:52 CST ON MAR 31	2.86 B ON APR 1	0.005 ON JUN 15	1 880	1987
1988	0.7578 AT 10:32 CST ON MAR 26	0.309 ON MAY 9	0.582 ON JUL 31	785	1988
				3 890	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

HORSE CREEK AT INTERNATIONAL BOUNDARY - STATION NO. 11AE005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1914	---	---	---	---	0.008	0.012	0.002	0	0	0	---	---	---	1914
1915	---	---	---	0.564	0.118	0.021	0.005	0	0.003	0.002	---	---	---	1915
1916	---	---	0.457	4.23	0.194	0.087	0.086	0.010	0.002	0.002	---	---	0.818	1916
1917	---	---	0	2.16	0.105	0.001	0	0	0.001	0.001	---	---	0.278	1917
1918	---	---	---	0.503	0.054	0.003	0	0.010	0	0	---	---	---	1918
1919	---	---	0	1.75	0.032	0.001	0	0	0	0	---	---	0.218	1919
1920	---	---	0.157	0.448	0.035	0	0	0	0	0	---	---	0.080	1920
1921	---	---	---	0.278	0.188	0.139	0.387	0.003	0.001	0	---	---	---	1921
1922	---	---	0	1.87	0.138	0.025	0.003	0.001	0	0	---	---	0.250	1922
1923	---	---	0	0.802	0.022	0.859	0.132	0.003	0	0.003	---	---	0.224	1923
1924	---	---	0.080	0.456	0.045	0.007	0	0	0	0.155	---	---	0.091	1924
1925	---	---	1.70	1.53	0.030	0.044	0.005	0	0.002	0.008	---	---	0.414	1925
1926	---	---	1.26	0.026	0.153	0.218	0.004	0	0	0	---	---	0.209	1926
1927	---	---	0.042	4.16	0.431	0.100	0.013	0.005	0.031	0.010	---	---	0.587	1927
1928	---	---	1.97	0.159	0.026	0.282	0.066	0.007	0.003	0.002	---	---	0.314	1928
1929	---	---	0.110	0.053	0.009	0.002	0	0	0	0	---	---	0.022	1929
1930	---	---	0.819	0.887	0.030	0.002	0.001	0.001	0	0.001	---	---	0.227	1930
1931	---	---	0.052	0.010	0.004	0.001	0	0	0	0	---	---	0.008	1931
1932	---	---	0.238	0.051	0	0.002	0	0	0	0	---	---	0.041	1932
1933	---	---	0.268	0.005	0	0	0	0.191	0	0	---	---	0.051	1933
1934	---	---	1.06	0.241	0	0	0	0	0	0	---	---	0.184	1934
1935	---	---	0	0.487	0.027	0.004	0.014	0	0	0	---	---	0.083	1935
1936	---	---	0	0.908	0.092	0.002	0	0	0	0	---	---	0.123	1936
1937	0	0	0	0.175	0	0	0	0	0	0	---	---	0.021	1937
1938	---	---	1.13	0.382	0.010	0.194	0.086	0	0	0	---	---	0.228	1938
1939	---	---	2.81	0.084	0.584	1.08	0.009	0.001	0	0	---	---	0.584	1939
1940	---	---	0	0.877	0.020	0.121	0	0	0.003	0	---	---	0.101	1940
1941	---	---	1.12	0.019	0	0.008	0.008	0	0	0	---	---	0.148	1941
1942	---	---	0.588	0.271	0.005	0.110	0.019	0.006	0.001	0	---	---	0.125	1942
1943	---	---	3.14	0.606	0.004	0.155	0.005	0	0	0	---	---	0.491	1943
1944	---	---	0.218	0.481	0.015	0.006	0	0.001	0	0	---	---	0.067	1944
1945	---	---	0.907	0.002	0	0	0	0	0	0	---	---	0.115	1945
1946	---	---	0.509	0.014	0	0	0	0	0	0	---	---	0.078	1946
1947	---	---	0.332	1.84	0.012	0.086	0.026	0.020	0	0	---	---	0.257	1947
1948	---	---	0.088	0.888	0.018	0.002	0	0	0	0	---	---	0.136	1948
1949	---	---	0.094	0.248	0	0	0	0	0	0	---	---	0.042	1949
1950	---	---	0	2.35	0.071	0.078	0.002	0	0	0	---	---	0.307	1950
1951	---	---	0	1.89	0.188	0.003	0	0.001	0.010	0	---	---	0.232	1951
1952	---	---	0	5.27	0.025	0.003	0.175	0.001	0	0	---	---	0.871	1952
19[illegible]	---	---	0.018	0.285	0.337	0.813	0.030	0	0	0	---	---	0.158	1953
1954	---	---	0.120	1.77	0.028	0.222	0.012	0.142	0.012	0.004	0.003	---	0.284	1954
1955	---	---	0.002	2.10	0.418	0.010	0	0	0	0	---	---	0.311	1955
1956	---	---	0.208	0.278	0.024	0.008	0.003	0	0	0	---	---	0.084	1956
1957	---	---	0.133	0.017	0	0	0	0	0	0	---	---	0.018	1957
1958	---	---	0.703	0.219	0	0	0	0	0	0	---	---	0.118	1958
1959	---	---	0.522	0.088	0	0.083	0.008	0	0	0	---	---	0.087	1959
1960	---	---	2.18	0.065	0	0	0.005	0.024	0	0	---	---	0.288	1960
1961	---	---	0.022	0	0	0.001	0	0	0	0	---	---	0.003	1961
MEAN	0	0	0.539	0.880	0.073	0.094	0.023	0.009	0.001	0.004	0.003	---	0.203	MEAN

LOCATION - LAT 49 59 20 N LONG 108 50 10 W DRAINAGE AREA, 196 km² NATURAL FLOW INTERNATIONAL GAUGING STATION

HORSE CREEK AT INTERNATIONAL BOUNDARY - STATION NO. 11AE005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1914	---	---	0 ON JUL 15 *	---	1914
1915	---	2.81 ON APR 4	0 ON MAY 1	---	1915
1916	---	10.3 E ON APR 10	0B ON MAR 1	13 100	1916
1917	---	15.8 ON APR 15	0B ON MAR 1	8 890	1917
1918	---	---	0 ON MAY 8	---	1918
1919	12.1 B ON APR 3	8.27 B ON APR 3	0B ON MAR 1	4 820	1919
1920	---	1.87 B ON APR 13	0B ON MAR 1	1 700	1920
1921	---	8.84 ON JUL 13	0 ON JUN 1	---	1921
1922	---	12.7 B ON APR 5	0B ON MAR 1	5 300	1922
1923	---	18.4 ON JUN 1	0B ON MAR 1	4 740	1923
1924	---	2.49 B ON APR 3	0 ON MAR 7	1 830	1924
1925	28.4 B ON MAR 30	23.2 B ON MAR 30	0B ON MAR 1	8 780	1925
1926	---	7.76 ON MAR 17	0 ON JUL 18	4 420	1926
1927	---	18.6 ON APR 9	0B ON MAR 1	12 800	1927
1928	26.6 B AT 09:00 MST ON MAR 22	15.8 B ON MAR 22	0B ON MAR 1	8 880	1928
1929	0.888 AT 11:15 MST ON MAR 29	0.804 ON MAR 29	0B ON MAR 1	459	1929
1930	---	6.91 B ON APR 4	0B ON MAR 1	4 800	1930
1931	---	0.1888 ON MAR 21	0 ON JUN 8	178	1931
1932	1.69 AT 18:00 MST ON MAR 24	1.01 ON MAR 24	0B ON MAR 4	878	1932
1933	8.81 AT 01:00 MST ON AUG 22	3.78 ON AUG 22	0B ON MAR 1	1 300	1933
1934	---	2.28 ON APR 2	0 ON MAY 1	3 480	1934
1935	6.40 B ON APR 14	2.68 B ON APR 14	0 ON MAR 1	1 330	1935
1936	---	6.18 B ON APR 12	0 ON MAR 1	2 800	1936
1937	1.23 AT 15:15 MST ON APR 10	1.18 ON APR 10	0 ON MAR 1	484	1937
1938	8.16 AT 22:00 MST ON MAR 17	8.61 ON MAR 18	0 ON MAR 1	4 630	1938
1939	38.6 AT 02:00 MST ON MAR 24	28.3 ON MAR 24	0 ON MAR 1	12 400	1939
1940	7.18 AT 08:00 MST ON APR 19	5.52 ON APR 19	0 ON MAR 1	2 130	1940
1941	8.36 B AT 11:00 MST ON MAR 22	5.95 B ON MAR 22	0B ON MAR 1	3 090	1941
1942	3.86 AT 09:30 MST ON MAR 14	2.80 ON MAR 14	0 ON MAR 1	2 850	1942
1943	46.0 ON MAR 28	30.6 ON MAR 28	0 ON MAR 1	10 400	1943
1944	13.6 AT 13:30 MST ON APR 1	4.45 ON APR 1	0 ON MAR 1	1 830	1944
1945	8.86 AT 11:00 MST ON MAR 13	7.11 ON MAR 13	0 ON MAR 1	2 440	1945
1946	3.37 AT 08:30 MST ON MAR 20	2.49 ON MAR 20	0 ON MAR 1	1 670	1946
1947	8.62 AT 08:00 MST ON APR 3	7.31 ON APR 3	0 ON MAR 1	5 430	1947
1948	8.37 AT 08:00 MST ON APR 18	4.39 ON APR 18	0 ON MAR 1	2 850	1948
1949	2.21 B AT 23:00 MST ON MAR 30	1.70 B ON MAR 31	0B ON MAR 1	895	1949
1950	27.8 AT 23:00 MST ON APR 18	18.9 ON APR 18	0E ON MAR 1	8 800	1950
1951	7.89 AT 04:00 MST ON APR 26	6.23 ON APR 26	0B ON MAR 1	4 910	1951
1952	51.0 AT 04:00 MST ON APR 15 *	38.0 ON APR 14 *	0 ON MAR 1	14 200	1952
1953	28.8 AT 23:30 MST ON JUN 2	7.36 ON JUN 3	0B ON MAR 1	3 300	1953
1954	43.3 B AT 23:00 MST ON APR 5	22.4 B ON APR 5	0B ON MAR 1	8 010	1954
1955	15.5 B AT 20:00 MST ON APR 1	13.0 B ON APR 2	0B ON MAR 1	8 880	1955
1956	---	2.55 E ON MAR 27	0B ON MAR 1	1 380	1956
1957	---	1.13 E ON MAR 24	0 ON MAR 1	403	1957
1958	14.5 AT 05:00 MST ON MAR 31	8.87 ON MAR 31	0 ON MAR 12	2 450	1958
1959	3.98 AT 18:00 MST ON MAR 27	3.71 ON MAR 27	0 ON MAR 1	1 850	1959
1960	18.6 AT 00:30 MST ON MAR 27	11.7 ON MAR 27	0 ON MAR 1	8 100	1960
1961	0.366 AT 04:00 MST ON MAR 22	0.178 ON MAR 22	0 ON MAR 1	83.5	1961
				4 310	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

HORSEHEAD CREEK NEAR MAKWA - STATION NO. 05AD004

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1933	---	---	---	---	3.66	4.24	1.28	0.606	0.777	---	---	---	---	1933
1934	---	---	---	---	1.62	1.07	0.666	0.106	0.077	0.089	---	---	0.624	1934
1935	---	---	---	---	1.78	0.387	0.147	0.091	0.047	0.102	---	---	0.429	1935
1936	---	---	---	---	0.573	0.276	0.095	0.043	0.113	0.139	---	---	0.213	1936
1937	---	---	---	---	1.03	0.271	0.170	0.065	0.017	0.081	---	---	0.276	1937
1938	---	---	---	---	0.338	0.111	0.042	0.027	0.013	0.027	---	---	0.093	1938
1939	---	---	---	---	0.718	0.336	0.255	0.015	0	0.018	---	---	0.225	1939
1940	---	---	---	---	0.215	0.136	0.077	0.010	0	0	---	---	0.073	1940
MEAN	---	---	---	---	1.23	0.864	0.384	0.128	0.131	0.067	---	---	0.276	MEAN

LOCATION - LAT 54 02 10 N DRAINAGE AREA, 627 km^2
LONG 108 49 30 W NATURAL FLOW

HORSEHEAD CREEK NEAR MAKWA - STATION NO. 05AD004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1933	---	8.41 ON MAY 31 *	0.411 ON AUG 31	---	1933
1934	---	4.08 ON JUN 25	0.040 ON SEP 3	8 910	1934
1935	---	4.08 ON MAY 5	0.0288 ON OCT 31	6 810	1935
1936	---	1.21 ON MAY 1	0.031 ON AUG 11	3 390	1936
1937	---	1.85 ON MAY 1	0.008 ON SEP 16	4 390	1937
1938	---	0.612 ON MAY 7	0.008 ON AUG 4	1 480	1938
1939	---	1.10 ON MAY 12	0 ON AUG 22 *	3 570	1939
1940	---	0.385 ON MAY 1	0 ON AUG 17	1 170	1940
				4 390	MEAN

B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

HUFF LAKE GRAVITY CANAL - STATION NO. 11AC085

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1946	---	---	0	0	0	0.053	0.088	0	0	0	---	---	0.015	1946
1947	---	---	0	0	0.014	0.134	0.018	0.086	0	0	---	---	0.028	1947
1948	---	---	0	0	0.015	0.176	0.082	0.043	0	0	---	---	0.037	1948
1949	---	---	0	0.001	0.228	0.194	0	0	0	0	---	---	0.053	1949
1950	---	---	0	0	0.001	0.192	0.182	0.108	0	0	---	---	0.058	1950
1951	---	---	0	0	0.014	0.148	0.150	0.092	0	0	---	---	0.051	1951
1952	---	---	0	0	0	0.298	0.188	0.001	0	0	---	---	0.060	1952
1953	---	---	0	0	0	0	0.118	0.098	0.088	0.011	---	---	0.037	1953
1954	---	---	0	0	0	0.088	0.173	0.131	0	0	---	---	0.048	1954
1955	---	---	0	0	0.008	0.228	0	0.234	0.084	0	---	---	0.067	1955
1956	---	---	0	0	0.187	0.371	0.238	0.370	0.202	0.002	---	---	0.171	1956
1957	---	---	0	0	0.303	0.114	0.187	0.277	0.054	0	---	---	0.115	1957
1958	---	---	0	0	0.375	0.118	0.188	0.270	0.007	0	---	---	0.117	1958
1959	---	---	0	0	0.440	0.182	0.008	0	0	0	---	---	0.079	1959
1960	---	---	0	0	0	0.471	0.182	0.148	0	0	---	---	0.087	1960
1961	---	---	0	0	0.307	0.279	0.441	0.002	0	0	---	---	0.128	1961
1962	---	---	0	0	0.271	0.081	0.027	0	0.430	0.048	---	---	0.108	1962
1963	---	---	0	0	0.190	0.234	0.171	0.381	0	0	---	---	0.120	1963
1964	---	---	0	0	0.208	0.348	0.048	0.128	0.002	0	---	---	0.081	1964
1965	---	---	0	0	0	0.540	0	0.427	0.188	0	---	---	0.143	1965
1966	---	---	0	0	0.143	0.238	0.124	0.487	0	0	---	---	0.122	1966
1967	---	---	0	0	0	0.316	0.382	0.220	0	0	---	---	0.112	1967
1968	---	---	0	0	0.521	0.034	0.455	0.080	0	0	---	---	0.139	1968
1969	---	---	0	0	0.085	0.420	0	0.584	0	0	---	---	0.131	1969
1970	---	---	0	0	0.055	0.350	0.218	0.292	0	0	---	---	0.114	1970
1971	---	---	0	0	0.303	0.119	0.438	0.067	0	0	---	---	0.118	1971
1972	---	---	0	0	0.310	0.052	0.535	0	0	0	---	---	0.113	1972
1973	---	---	0	0	0.425	0.050	0.580	0.027	0	0	---	---	0.137	1973
1974	---	---	0	0	0	0.439	0.382	0.057	0	0	---	---	0.111	1974
1975	---	---	0	0	0.019	0.380	0.415	0.185	0	0	---	---	0.126	1975
1976	---	---	0	0	0.392	0.105	0.286	0.143	0.001	0	---	---	0.117	1976
1977	---	---	0	0	0.436	0.121	0.501	0.014	0	0	---	---	0.135	1977
1978	---	---	0	0	0.354	0.101	0.177	0.278	0	0	---	---	0.115	1978
1979	---	---	0	0	0.287	0.197	0.484	0.208	0	0	---	---	0.144	1979
1980	---	---	0	0	0.748	0	0.483	0.078	0	0	---	---	0.185	1980
1981	---	---	0	0.005	0.713	0	0	0	0	0	---	---	0.091	1981
1982	---	---	0	0	0.335	0.158	0.182	0.365	0	0	---	---	0.126	1982
1983	---	---	0	0	0.288	0.194	0.572	0.154	0	0	---	---	0.153	1983
1984	---	---	0	0.227	0.518	0	0	0	0	0	---	---	0.093	1984
1985	---	---	0	0	0.692	0.287	0.030	0	0	0.008	---	---	0.128	1985
1986	---	---	0	0	0.030	0.648	0.218	0.098	0	0.002	---	---	0.123	1986
1987	---	---	0	0	0.578	0	0.488	0.015	0	0	---	---	0.137	1987
1988	---	---	0	0	0.579	0	0	0	0	0.008	---	---	0.074	1988
MEAN	---	---	0	0.005	0.241	0.197	0.215	0.141	0.023	0.002	---	---	0.103	MEAN

LOCATION - LAT 49 22 10 N
LONG 107 53 05 W REGULATED

INTERNATIONAL GAUGING STATION

HUFF LAKE GRAVITY CANAL - STATION NO. 11AC068

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1946	---	0.185 ON JUL 21	0 ON MAR 1 *	320	1946
1947	---	0.2278 ON JUN 3	0 ON MAR 1	610	1947
1948	---	0.212 ON JUN 16	0 ON MAR 1	778	1948
1949	---	0.388 ON MAY 13	0 ON MAR 1	1 120	1949
1950	---	0.300 ON JUN 23	0 ON MAR 1	1 230	1950
1951	---	0.323 ON JUN 11	0 ON MAR 1	1 070	1951
1952	---	0.616 ON JUN 21	0 ON MAR 1	1 270	1952
1953	---	0.490 ON JUL 23	0 ON MAR 1	783	1953
1954	---	0.385 ON JUL 1	0 ON MAR 1	1 080	1954
1955	---	0.643 ON AUG 18	0 ON MAR 1	1 410	1955
1956	---	0.736 ON JUN 1	0 ON MAR 1	3 620	1956
1957	---	0.589 ON JUL 26	0 ON MAR 1	2 440	1957
1958	---	1.47 ON MAY 22	0 ON MAR 1	2 470	1958
1959	---	1.11 ON MAY 13	0 ON MAR 1	1 870	1959
1960	---	0.821 ON JUN 29	0 ON MAR 1	2 040	1960
1961	---	0.903 ON JUL 20	0 ON MAR 1	2 730	1961
1962	---	0.756 ON SEP 21	0 ON MAR 1	2 280	1962
1963	---	1.21 ON MAY 28	0 ON MAR 1	2 540	1963
1964	---	1.39 ON MAY 29	0 ON MAR 1	1 930	1964
1965	---	1.14 ON JUN 9	0 ON MAR 1	3 030	1965
1966	---	1.04 ON AUG 1	0 ON MAR 1	2 580	1966
1967	---	0.837 ON JUL 27	0 ON MAR 1	2 380	1967
1968	---	1.14 ON JUL 16	0 ON MAR 1	2 880	1968
1969	---	1.38 ON AUG 9	0 ON MAR 1	2 780	1969
1970	---	1.37 ON JUL 28	0 ON MAR 1	2 420	1970
1971	---	1.48 ON MAY 27	0 ON MAR 1	2 480	1971
1972	---	1.55 ON JUL 14 *	0 ON MAR 1	2 400	1972
1973	---	1.33 ON JUL 19	0 ON MAR 1	3 880	1973
1974	---	0.943 ON JUN 16	0 ON MAR 1	2 340	1974
1975	---	1.17 ON JUL 29	0 ON MAR 1	2 870	1975
1976	---	1.23 ON JUL 29	0 ON MAR 1	2 470	1976
1977	---	1.20 ON JUL 15	0 ON MAR 1	2 880	1977
1978	---	0.880 ON MAY 18	0 ON MAR 1	2 430	1978
1979	---	1.36 ON JUL 23	0 ON MAR 1	3 040	1979
1980	---	1.45 ON MAY 10	0 ON MAR 1	3 500	1980
1981	---	0.891 ON MAY 17	0 ON MAR 1	1 920	1981
1982	---	1.14 ON MAY 22	0 ON MAR 1	2 870	1982
1983	---	1.39 ON JUL 19	0 ON MAR 1	3 250	1983
1984	---	1.34 ON MAY 2	0 ON MAR 1	1 980	1984
1985	---	1.47 ON MAY 23	0 ON MAR 1	2 830	1985
1986	---	1.03 ON JUN 7	0 ON MAR 1	2 810	1986
1987	---	1.45 ON JUL 18	0 ON MAR 1	2 880	1987
1988	---	1.12 ON MAY 18	0 ON MAR 1	1 870	1988
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		2 180	MEAN

E - ESTIMATED

HUFF LAKE PUMPING CANAL - STATION NO. 11AC068

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1950	---	---	0	0	0	0	0.334	0.067	0	0	---	---	0.037	1950
1951	---	---	0	0	0	0.065	0.242	0.119	0	0	---	---	0.054	1951
1952	---	---	0	0	0	0.153	0.162	0.021	0	0.018	---	---	0.044	1952
1953	---	---	0	0.018	0.060	0	0.191	0.352	0.178	0	---	---	0.099	1953
1954	---	---	0	0	0	0.242	0.147	0.125	0	0	---	---	0.068	1954
1955	---	---	0	0	0.023	0.371	0.005	0.295	0.084	0	---	---	0.098	1955
1956	---	---	0	0	0.156	0.220	0.218	0.111	0	0	---	---	0.088	1956
1957	---	---	0	0	0.270	0.204	0.284	0.223	0	0	---	---	0.123	1957
1958	---	---	0	0	0.335	0.176	0.436	0.094	0.005	0	---	---	0.122	1958
1959	---	---	0	0	0.274	0.368	0.117	0	0	0	---	---	0.094	1959
1960	---	---	0	0	0.117	0.475	0.088	0.426	0.001	0.085	---	---	0.145	1960
1961	---	---	0	0	0.318	0.334	0.382	0.137	0	0	---	---	0.144	1961
1962	---	---	0	0	0.313	0.140	0	0.136	0.412	0.110	---	---	0.128	1962
1963	---	---	0	0	0.088	0.118	0.198	0.518	0.036	0	---	---	0.122	1963
1964	---	---	0	0	0.104	0.841	0.006	0.123	0.009	0	---	---	0.097	1964
1965	---	---	0	0	0	0.428	0	0.428	0.118	0	---	---	0.121	1965
1966	---	---	0	0	0.186	0.267	0.074	0.438	0	0	---	---	0.117	1966
1967	---	---	0	0	0	0.380	0.259	0.283	0	0	---	---	0.113	1967
1968	---	---	0	0	0.395	0.088	0.290	0.284	0	0.007	---	---	0.124	1968
1969	---	---	0	0	0.048	0.821	0	0.582	0.043	0.003	---	---	0.147	1969
1970	---	---	0	0	0.110	0.280	0.100	0.384	0	0.003	---	---	0.110	1970
1971	---	---	0	0	0.128	0.385	0.208	0.385	0	0.018	---	---	0.128	1971
1972	---	---	0	0	0.298	0.139	0.355	0.211	0.008	0	---	---	0.127	1972
1973	---	---	0	0	0.500	0	0.508	0.191	0.002	0	---	---	0.152	1973
1974	---	---	0	0	0	0.500	0.345	0.248	0	0.004	---	---	0.137	1974
1975	---	---	0	0	0.077	0.338	0.286	0.214	0	0.008	---	---	0.118	1975
1976	---	---	0	0	0.431	0.053	0.220	0.272	0	0.010	---	---	0.124	1976
1977	---	---	0	0	0.431	0.058	0.425	0	0	0.005	---	---	0.118	1977
1978	---	---	0	0	0.283	0.024	0.201	0.278	0	0	---	---	0.088	1978
1979	---	---	0	0	0.187	0.228	0.338	0.148	0	0	---	---	0.111	1979
1980	---	---	0	0	0.510	0.004	0.484	0.031	0	0	---	---	0.131	1980
1981	---	---	0	0	0.528	0	0	0	0	0	---	---	0.067	1981
1982	---	---	0	0	0.178	0.228	0.115	0.378	0	0	---	---	0.112	1982
1983	---	---	0	0	0.282	0.138	0.518	0.022	0	0	---	---	0.122	1983
1984	---	---	0	0.180	0.343	0	0	0	0	0.007	---	---	0.068	1984
1985	---	---	0	0	0.402	0.282	0	0	0	0.006	---	---	0.087	1985
1986	---	---	0	0	0.045	0.426	0.213	0.040	0.002	0	---	---	0.080	1986
1987	---	---	0	0	0.315	0.127	0.312	0.058	0	0	---	---	0.102	1987
1988	---	---	0	0	0.367	0	0	0	0.001	0.001	---	---	0.047	1988
MEAN	---	---	0	0.005	0.207	0.213	0.205	0.184	0.033	0.007	---	---	0.107	MEAN

LOCATION - LAT 48 22 20 N
LONG 107 53 05 W

REGULATED SINCE 1950

INTERNATIONAL GAUGING STATION

HUFF LAKE PUMPING CANAL - STATION NO. 11AC088

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1950	---	0.348 ON JUL 25	0 ON MAR 1 *	780	1950
1951	---	0.524 ON JUL 26	0 ON MAR 1	1 140	1951
1952	---	0.482 ON JUN 26	0 ON MAR 1	835	1952
1953	---	0.800 ON JUL 30	0 ON MAR 1	2 090	1953
1954	---	0.552 ON JUN 20	0 ON MAR 1	1 480	1954
1955	---	0.555 ON JUN 3	0 ON MAR 1	2 070	1955
1956	---	0.617 ON JUL 21	0 ON MAR 1	1 670	1956
1957	---	0.614 ON JUL 23	0 ON MAR 1	2 610	1957
1958	---	0.655 ON JUL 8	0 ON MAR 1	2 730	1958
1959	---	0.592 ON JUN 20	0 ON MAR 1	1 890	1959
1960	---	0.637 ON MAY 31	0 ON MAR 1	3 070	1960
1961	---	0.634 ON MAY 17	0 ON MAR 1	3 050	1961
1962	---	0.631 ON MAY 17	0 ON MAR 1	2 940	1962
1963	---	0.685 ON JUL 23	0 ON MAR 1	2 580	1963
1964	---	0.759 ON MAY 28	0 ON MAR 1	2 050	1964
1965	---	0.702 ON JUN 3	0 ON MAR 1	2 550	1965
1966	---	0.722 ON MAY 25	0 ON MAR 1	2 480	1966
1967	---	0.634 ON JUN 4	0 ON MAR 1	2 380	1967
1968	---	0.688 ON MAY 14	0 ON MAR 1	2 650	1968
1969	---	0.722 ON MAY 30	0 ON MAR 1	3 100	1969
1970	---	0.617 ON MAY 27	0 ON MAR 1	2 320	1970
1971	---	0.580 ON JUL 21	0 ON MAR 1	2 930	1971
1972	---	0.572 ON JUL 28	0 ON MAR 1	2 700	1972
1973	---	0.852 ON JUL 12	0 ON MAR 1	3 210	1973
1974	---	0.821 ON JUN 18	0 ON MAR 1	2 900	1974
1975	---	0.678 ON MAY 30	0 ON MAR 1	2 450	1975
1976	---	0.644 ON MAY 28	0 ON MAR 1	2 830	1976
1977	---	0.881 ON MAY 5 *	0 ON MAR 1	2 450	1977
1978	---	0.638 ON JUL 26	0 ON MAR 1	2 100	1978
1979	---	0.804 ON JUL 30	0 ON MAR 1	2 340	1979
1980	---	0.812 ON MAY 7	0 ON MAR 1	2 770	1980
1981	---	0.807 ON MAY 18	0 ON MAR 1	1 420	1981
1982	---	0.735 ON AUG 4	0 ON MAR 1	2 390	1982
1983	---	0.784 ON MAY 25	0 ON MAR 1	2 590	1983
1984	---	0.788 ON APR 30	0 ON MAR 1	1 400	1984
1985	---	0.737 ON MAY 16	0 ON MAR 1	1 850	1985
1986	---	0.884 ON JUN 1	0 ON MAR 1	1 800	1986
1987	---	0.784 ON JUL 20	0 ON MAR 1	2 180	1987
1988	---	0.736 ON MAY 8	0 ON MAR 1	888	1988
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		2 280	MEAN

HUNTER CREEK NEAR RICHARDSON - STATION NO. 05JF014

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1978	---	---	0.128	0.101	---	---	---	---	---	---	---	---	---	1978
1979	---	---	0	1.48	0.087	0.006	0	0	0	0	---	---	0.182	1979
1980	---	---	0.203	0.268	0	0	0	0	0	0	---	---	0.068	1980
1981	---	---	0	0	0	0	0.339	0	0	0	---	---	0.043	1981
1982	---	---	0	0.556	0.047	0.013	0	0	0	0	---	---	0.116	1982
1983	---	---	0	0.260	0.045	0.003	0.248	0.003	0	0	---	---	0.072	1983
1984	---	---	0.443	0.026	0.005	0	0	0	0	0	---	---	0.060	1984
1985	---	---	0.505	0.321	0.005	0	0	0	0	0	---	---	0.142	1985
1986	---	---	0.233	0.005	0.180	0	0	0	0	0	---	---	0.053	1986
1987	---	---	0.077	0.030	0.088	0.007	0	0	0	0	---	---	0.025	1987
1988	---	---	0	0	0	0	0	0	0	0	---	---	0	1988
MEAN	---	---	0.172	0.308	0.047	0.003	0.058	0	0	0	---	---	0.078	MEAN

LOCATION - LAT 60 23 18 N DRAINAGE AREA, 138 km^2
LONG 104 27 39 W NATURAL FLOW

HUNTER CREEK NEAR RICHARDSON - STATION NO. 05JF014

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1978	---	---	---	---	1978
1979	14.0 AT 22:32 CST ON APR 20 *	11.8 ON APR 21 *	0B ON MAR 1 *	4 080	1979
1980	8.61B AT 18:53 CST ON MAR 30	4.01B ON MAR 31	0B ON MAR 1	1 240	1980
1981	12.9 AT 09:45 CST ON JUL 14	5.88 ON JUL 14	0 ON MAR 1	908	1981
1982	10.1 AT 02:53 CST ON APR 17	8.25 ON APR 17	0B ON MAR 1	2 480	1982
1983	2.46 AT 16:00 CST ON JUL 21	1.75 ON APR 12	0B ON MAR 1	1 630	1983
1984	5.39B AT 09:10 CST ON MAR 26	4.62B ON MAR 26	0B ON MAR 1	1 270	1984
1985	4.83B AT 13:05 CST ON MAR 28	4.18B ON MAR 28	0B ON MAR 1	3 010	1985
1986	2.38 AT 03:31 CST ON MAY 6	1.50 ON MAY 6	0B ON MAR 1	1 120	1986
1987	5.43 AT 20:23 CST ON MAY 26	1.49 ON MAY 26	0B ON MAR 1	638	1987
1988	0 B AT 00:00 CST ON MAR 1	0 B ON MAR 1	0B ON MAR 1	0	1988
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		1 820	MEAN

INDIANHEAD CREEK NEAR INDIAN HEAD - STATION NO. 05JL002

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1941	---	---	0.346	0.120	0	0	0.018	0	0	0	---	---	0.061	1941
1942	---	---	0.287	0.680	0	0	0	0	0	0	---	---	0.083	1942
1943	---	---	0.418	1.40	0	0	0	0	0	0	---	---	0.224	1943
1944	---	---	0	0.012	0	0	0	0	0	0	---	---	0.001	1944
1945	---	---	0	0	0	0	0	0	0	0	---	---	0	1945
1946	---	---	0.383	0.003	0	0	0	0	0	0	---	---	0.050	1946
1947	---	---	0	2.58	0.034	0.788	0.014	0	0	0	---	---	0.411	1947
1948	---	---	0	1.35	0.087	0	0	0	0	0	---	---	0.177	1948
1949	---	---	0.074	0.475	0.019	0.002	0	0	0	0	---	---	0.070	1949
1950	---	---	0.008	0.907	0	0	0	0	0	0	---	---	0.112	1950
1951	---	---	0	0.778	0.011	0	0	0	0	0	---	---	0.087	1951
1952	---	---	0.284	0.408	0	0	0	0	0	0	---	---	0.083	1952
1953	---	---	0.854	0.674	0	0.340	0.016	0	0	0	---	---	0.222	1953
1954	---	---	0	0.713	0.008	0.575	1.24	0.006	0.088	0.037	---	---	0.333	1954
1955	---	---	0.189	1.84	1.42	0.021	0.824	0	0	0	---	---	0.524	1955
1956	---	---	0	4.66	0.810	0.083	0	0.005	0	0	---	---	0.707	1956
1957	---	---	0.531	0.383	0.154	0.005	0	0.050	0	0	---	---	0.136	1957
1958	---	---	0.309	0.050	0	0	0	0	0	0	---	---	0.045	1958
1959	---	---	0.021	0	0	0.008	0	0	0	0	---	---	0.004	1959
1960	---	---	0.005	1.21	0	0	0	0	0	0	---	---	0.148	1960
1961	---	---	0	0	0	0	0	0	0	0	---	---	0	1961
1962	---	---	0	1.12	0	0.367	0	0	0	0	---	---	0.180	1962
1963	---	---	0.050	0	0	0	0.070	0	0	0	---	---	0.015	1963
1964	---	---	0	0.301	0	0	0	0	0	0	---	---	0.037	1964
1965	---	---	0	0.312	0.048	0.058	0	0	0	0	---	---	0.051	1965
1966	---	---	1.12	0.173	0.001	0	0	0	0	0	---	---	0.183	1966
1967	---	---	0	2.07	0.013	0	0	0	0	0	---	---	0.265	1967
1968	---	---	0.805	0	0	0	0	0.001	0	0	---	---	0.077	1968
1969	---	---	0	3.41	0.011	0	0	0	0	0	---	---	0.419	1969
1970	---	---	0	1.35	0.440	0.016	0	0	0	0	---	---	0.222	1970
1971	---	---	0.001	2.08	0	0	0	0	0	0	---	---	0.255	1971
1972	---	---	0.290	0.130	0	0	0	0	0	0	---	---	0.053	1972
1973	---	---	0.005	0	0	0	0.454	0	0	0	---	---	0.058	1973
1974	---	---	0	3.29	0.587	0.018	0	0	0	0	---	---	0.479	1974
1975	---	---	0	4.52	0.288	0	0	0	0	0	---	---	0.551	1975
1976	---	---	0	4.83	0.001	0.450	0.008	0	0	0	---	---	0.859	1976
1977	---	---	0	0	0	0	0	0	0	0	---	---	0	1977
1978	---	---	0.832	0.148	0	0	0	0	0	0	---	---	0.123	1978
1979	---	---	0	3.20	0.062	0	0	0	0	0	---	---	0.400	1979
1980	---	---	0.377	0.915	0	0	0	0	0	0	---	---	0.180	1980
1981	---	---	0	0	0	0	0.014	0	0	0	---	---	0.002	1981
1982	---	---	0	2.97	0	0	0.149	0	0	0	---	---	0.362	1982
1983	---	---	0	1.83	0.058	0	0.838	0.003	0	0.001	---	---	0.350	1983
1984	---	---	0.033	0.028	0	0	0	0	0	0	---	---	0.007	1984
1985	---	---	1.22	0.278	0	0	0	0	0	0	---	---	0.189	1985
1986	---	---	0.336	0	0.275	0	0	0	0	0	---	---	0.077	1986
1987	---	---	0.272	0.017	0	0	0	0	0	0	---	---	0.037	1987
1988	---	---	0	0.008	0	0	0	0	0	0	---	---	0.001	1988
MEAN	---	---	0.184	1.07	0.090	0.058	0.072	0.001	0.002	0.001	---	---	0.162	MEAN

LOCATION - LAT 50 38 42 N DRAINAGE AREA, 327 km²
LONG 103 38 14 W NATURAL FLOW

REMARKS - PRIOR TO JUNE 25 1985, RECORDS WERE OBTAINED ABOUT 0.8 km UPSTREAM

INDIANHEAD CREEK NEAR INDIAN HEAD - STATION NO. 05JL002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1941	---	5.75 ON MAR 30	0 ON MAR 1 *	1 280	1941
1942	---	6.29 ON APR 1	0B ON MAR 1	1 880	1942
1943	---	11.3 ON APR 3	0 ON MAR 1	4 740	1943
1944	---	0.255 ON APR 7	0 ON MAR 1	30.8	1944
1945	---	0 ON MAR 1	0 ON MAR 1	0	1945
1946	---	2.32 B ON MAR 25	0B ON MAR 1	1 080	1946
1947	---	12.5 ON APR 13	0B ON MAR 1	6 690	1947
1948	---	10.1 B ON APR 20	0B ON MAR 1	3 730	1948
1949	---	4.87 ON APR 2	0B ON MAR 1	1 480	1949
1950	---	5.65 B ON APR 15	0B ON MAR 1	2 370	1950
1951	---	2.41 ON APR 13	0B ON MAR 1	2 050	1951
1952	---	5.47 ON MAR 31	0B ON MAR 1	1 780	1952
1953	---	10.4 B ON MAR 31	0B ON MAR 1	4 700	1953
1954	---	8.21 ON JUN 8	0B ON MAR 1	7 060	1954
1955	---	10.7 ON MAY 3	0B ON MAR 1	11 100	1955
1956	33.4 AT 23:00 CST ON APR 13	28.0 ON APR 14	0B ON MAR 1	14 900	1956
1957	7.79 B AT 21:00 CST ON MAR 21	4.70 B ON MAR 21	0B ON MAR 1	2 920	1957
1958	6.91 B AT 21:00 CST ON MAR 27	2.87 B ON MAR 28	0B ON MAR 1	858	1958
1959	0.588 AT 20:30 CST ON JUN 27	0.184 ON MAR 25	0 ON MAR 1	77.0	1959
1960	---	12.5 ON APR 4	0B ON MAR 1	3 140	1960
1961	---	0 ON MAR 1	0 ON MAR 1	0	1961
1962	19.6 AT 22:00 CST ON JUN 12	8.21 ON APR 6	0B ON MAR 1	3 820	1962
1963	2.59 AT 22:00 CST ON JUL 9	0.711 ON JUL 10	0B ON MAR 1	318	1963
1964	3.65 B AT 21:40 CST ON APR 2	2.27 B ON APR 3	0B ON MAR 1	779	1964
1965	4.33 AT 20:00 CST ON APR 11	3.31 B ON APR 11	0B ON MAR 1	1 080	1965
1966	13.5 AT 22:00 CST ON MAR 29	7.63 ON MAR 30	0B ON MAR 1	3 440	1966
1967	19.8 AT 00:05 CST ON APR 12	12.8 B ON APR 11	0B ON MAR 1	5 410	1967
1968	7.18 B AT 03:30 CST ON MAR 8	5.85 B ON MAR 8	0B ON MAR 1	1 820	1968
1969	26.3 AT 18:20 CST ON APR 10	22.3 ON APR 10	0 ON MAR 1	8 880	1969
1970	20.9 AT 21:30 CST ON APR 7	18.7 ON APR 7	0B ON MAR 1	4 710	1970
1971	24.9 B AT 20:30 CST ON APR 7	19.2 B ON APR 7	0B ON MAR 1	5 400	1971
1972	3.43 B AT 19:30 CST ON MAR 22	2.75 B ON MAR 22	0B ON MAR 1	1 110	1972
1973	12.0 AT 18:30 CST ON JUL 1	8.41 ON JUL 1	0B ON MAR 1	1 230	1973
1974	32.8 AT 21:06 CST ON APR 17	28.1 ON APR 18	0B ON MAR 1	10 100	1974
1975	27.5 AT 21:34 CST ON APR 28	21.0 ON APR 28	0B ON MAR 1	12 500	1975
1976	41.6 AT 17:54 CST ON APR 8	31.7 ON APR 8	0B ON MAR 1	14 000	1976
1977	0 AT 00:00 CST ON MAR 1	0 ON MAR 1	0 ON MAR 1	0	1977
1978	13.7 AT 22:35 CST ON MAR 29	8.47 ON MAR 29	0 ON MAR 1	2 620	1978
1979	40.1 AT 21:21 CST ON APR 20	25.9 B ON APR 20	0B ON MAR 1	8 480	1979
1980	13.3 B AT 19:33 CST ON MAR 30	8.82 ON APR 1	0B ON MAR 1	3 380	1980
1981	1.01 AT 17:13 CST ON JUL 14	0.320A ON JUL 14	0 ON MAR 1	37.7	1981
1982	44.2 AT 00:14 CST ON APR 14 *	34.7 A ON APR 14 *	0B ON MAR 1	8 080	1982
1983	18.4 AT 19:57 CST ON APR 19	15.3 ON APR 19	0B ON MAR 1	7 420	1983
1984	5.98 B AT 21:26 CST ON MAR 24	0.3438 ON MAR 24	0B ON MAR 1	158	1984
1985	8.20 B AT 22:35 CST ON MAR 20	6.84 B ON MAR 20	0B ON MAR 1	3 880	1985
1986	5.68 AT 10:51 CST ON MAY 8	4.08 ON MAY 8	0 ON APR 3	1 840	1986
1987	2.59 B AT 23:23 CST ON MAR 23	1.73 B ON MAR 23	0B ON MAR 1	774	1987
1988	0.088 AT 12:32 CST ON APR 13	0.081 ON APR 14	0 ON MAR 1	23.7	1988
				3 650	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

INVERNESS CREEK NEAR BRODERICK - STATION NO. 05HG021

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1980	---	---	0.087	0.033	0	0	0	0	0	0	---	---	0.013	1980
1981	---	0	0	0	0	0	0	0	0	0	---	---	0	1981
1982	---	---	0.080	0.231	0	0	0	0.003	0	0	---	---	0.035	1982
1983	---	0	0.019	0.005	0	0	0.053	0.002	0	0	---	---	0.010	1983
1984	---	---	0.043	0.001	0	0	0	0	0	0	---	---	0.006	1984
1985	---	---	0.288	0.084	0.002	0	0	0	0	0	---	---	0.048	1985
1986	---	0.013	0.071	0	0	0	0	0	0	0	---	---	0.005	1986
1987	---	---	0.109	0.031	0	0	0	0	0	0	---	---	0.017	1987
1988	---	0	0	0	0	0	0	0	0	0	---	---	0	1988
MEAN	---	0.003	0.070	0.044	0	0	0.006	0.001	0	0	---	---	0.018	MEAN

LOCATION - LAT 51 30 15 N LONG 106 49 18 W DRAINAGE AREA, 81.4 km^2 NATURAL FLOW

INVERNESS CREEK NEAR BRODERICK - STATION NO. 05HG021

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1980	0.9558 AT 13:01 CST ON MAR 28	0.475 ON MAR 30	0B ON MAR 1 *	285	1980
1981	0.014 AT 14:10 CST ON JUN 14	0.002 ON JUN 14	0B ON MAR 5	0.60	1981
1982	2.25 AT 01:18 CST ON MAR 31	0.8378 ON MAR 31	0B ON MAR 1	740	1982
1983	3.71 AT 21:49 CST ON JUL 20 *	0.805 ON JUL 21	0B ON MAR 1	211	1983
1984	0.9888 AT 07:53 CST ON MAR 22	0.3109 ON MAR 23	0B ON MAR 1	118	1984
1985	2.87 B AT 15:01 CST ON MAR 21	1.15 B ON MAR 21 *	0B ON MAR 1	959	1985
1986	0.8048 AT 16:22 CST ON MAR 3	0.4588 ON MAR 3	0B ON MAR 23	180	1986
1987	0.4498 AT 18:30 CST ON MAR 31	0.4288 ON MAR 26	0B ON MAR 1	371	1987
1988	---	0.0018 ON MAR 2	0B ON MAR 1	1.04	1988
				318	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

IRONSPRING CREEK NEAR WATSON - STATION NO. 05MA012

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1928	---	---	---	---	0.178	0.308	0.081	0.020	0.002	0.085	---	---	---	1928
1983	---	---	0.086	0.227	0.086	0.585	0.028	0.002	0	0.001	---	---	0.086	1983
1984	---	---	0	1.01	0.124	0.002	0.011	0.004	0.015	0.016	---	---	0.145	1984
1985	---	---	0	2.32	0.088	0.482	0.270	0.013	0.026	0.014	---	---	0.396	1985
1986	---	---	0	2.88	0.210	0.274	0.042	0.884	0.021	0.019	---	---	0.492	1986
1987	---	---	0	1.21	3.88	0.106	0.007	0	0.002	0.004	---	---	0.629	1987
1988	---	---	0.588	0.278	0.085	0.004	0.002	0.016	0.018	0.045	---	---	0.127	1988
1989	---	---	0	2.70	0.830	0.062	0.008	0.001	0.002	0.192	---	---	0.438	1989
1970	---	---	0.053	3.84	1.43	0.342	0.083	0.006	0.004	0.005	---	---	0.671	1970
1971	---	---	0	1.14	0.740	0.238	0.343	0.020	0.005	0.018	---	---	0.312	1971
1972	---	---	0	5.89	2.62	0.186	0.003	0.001	0.004	0.008	---	---	1.09	1972
1973	---	---	0.041	0.100	0.084	1.11	0.201	0.826	0.006	0.010	---	---	0.191	1973
1974	---	---	0	3.86	0.190	0.010	0.061	0.087	0.050	---	---	---	0.883	1974
1975	---	---	0	1.84	4.02	0.383	0.027	0.040	0.018	0.015	---	---	0.790	1975
1976	---	---	0.018	2.60	0.308	1.30	0.476	0.108	0.002	0.010	---	---	0.594	1976
1977	---	---	0	0.150	0.287	0.488	0	0	0	0	---	---	0.111	1977
1978	---	---	0.388	2.67	0.812	0.050	0.114	0	0	0	---	---	0.497	1978
1979	---	---	0	7.80	4.85	0.380	0.003	0	0	0	---	---	1.89	1979
1980	---	---	0	3.33	0.388	0	0	0	0	0	---	---	0.440	1980
1981	---	0	0.005	0.014	0.035	0.001	0	0	0	0	---	---	0.007	1981
1982	---	---	0.020	0.298	0.202	0.830	0.120	0.078	0.003	0.007	---	---	0.188	1982
1983	---	---	0	0.817	0.817	1.11	1.34	0.185	0.005	0.003	---	---	0.534	1983
1984	---	---	0.404	0.204	0.087	0.115	0.008	0	0	0	---	---	0.102	1984
1985	---	---	0	10.1	2.51	0.003	0	0	0	0	---	---	1.55	1985
1986	---	---	1.10	0.428	0.446	0.187	0.021	0	0	0	---	---	0.274	1986
1987	---	---	0.007	0.801	0.208	0.085	0.017	0	0	0.003	---	---	0.136	1987
1988	---	---	0	5.73	0.187	0.048	0.007	0	0	0	---	---	0.734	1988
MEAN	---	0	0.103	2.37	1.04	0.298	0.117	0.043	0.008	0.018	---	---	0.498	MEAN

LOCATION - LAT 52 03 25 N DRAINAGE AREA, 566 km²
LONG 104 28 58 W REGULATED

REMARKS - RECORDS PRIOR TO 1977 COLLECTED IN NE20-28-18-W2

IRONSPRING CREEK NEAR WATSON - STATION NO. 05MA012

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1928	---	---	0 ON AUG 20 *	---	1928
1983	---	0.3998 ON MAR 28	0S ON MAR 1	1 230	1983
1984	---	4.05 B ON APR 12	0S ON MAR 1	3 070	1984
1985	8.27 B AT 22:00 CST ON APR 12	7.87 B ON APR 13	0S ON MAR 1	8 370	1985
1986	8.88 AT 20:00 CST ON APR 6	5.80 ON APR 7	0S ON MAR 1	10 400	1986
1987	14.1 AT 16:00 CST ON MAY 2	12.8 ON MAY 1	0S ON MAR 1	13 300	1987
1988	4.11 B AT 20:00 CST ON MAR 28	3.80 B ON MAR 30	0S ON MAR 1	2 700	1988
1989	11.7 AT 02:00 CST ON APR 13	11.6 ON APR 13	0S ON MAR 1	8 300	1989
1970	7.80 AT 16:08 CST ON APR 30	7.58 ON APR 22	0S ON MAR 1	14 200	1970
1971	2.84 AT 03:20 CST ON APR 15	2.69 ON JUL 25	0S ON MAR 1	6 800	1971
1972	15.6 AT 15:09 CST ON APR 22	14.9 ON APR 22	0S ON MAR 1	23 000	1972
1973	3.45 AT 12:37 CST ON JUN 4	2.84 ON JUN 4	0S ON MAR 1	4 040	1973
1974	11.6 AT 15:15 CST ON APR 21	10.9 ON APR 22	0S ON MAR 1	18 700	1974
1975	11.9 AT 16:02 CST ON MAY 2	11.4 ON MAY 2	0S ON MAR 1	18 800	1975
1976	7.93 AT 17:28 CST ON APR 12	7.70 ON APR 12	0S ON MAR 1	12 600	1976
1977	2.00 AT 04:45 CST ON MAY 28	1.94 ON MAY 28	0S ON MAR 1	2 350	1977
1978	8.77 AT 04:12 CST ON APR 9	8.72 ON APR 10	0S ON MAR 1	10 500	1978
1979	29.8 AT 20:10 CST ON APR 23 *	27.2 ON APR 23 *	0S ON MAR 1	33 600	1979
1980	8.30 AT 09:41 CST ON APR 16	8.16 ON APR 16	0S ON MAR 1	8 320	1980
1981	0.270 AT 09:11 CST ON MAY 20	0.147 ON MAY 20	0S ON MAR 1	146	1981
1982	2.49 B AT 08:06 CST ON APR 14	2.37 ON JUN 3	0S ON MAR 1	3 680	1982
1983	8.05 B AT 20:26 CST ON APR 19	4.84 ON JUL 4	0S ON MAR 1	11 300	1983
1984	3.01 B AT 10:37 CST ON MAR 30	2.26 B ON MAR 27	0S ON MAR 1	2 160	1984
1985	23.5 AT 20:42 CST ON APR 20	20.6 ON APR 20	0S ON MAR 1	32 900	1985
1986	9.21 B AT 03:22 CST ON MAR 30	7.10 B ON MAR 29	0S ON MAR 1	5 800	1986
1987	8.87 B AT 16:52 CST ON APR 5	5.49 B ON APR 5	0S ON MAR 1	2 820	1987
1988	25.4 B AT 19:13 CST ON APR 3	18.0 B ON APR 4	0S ON MAR 1	15 600	1988
				10 600	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

ISKWAO CREEK NEAR CRAIK - STATION NO. 05JG014

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1972	---	---	0.524	0.001	0	0	0	0	0	0	---	---	0.083	1972
1973	---	---	0.050	0.001	0.001	0.005	0	0	0	0	---	---	0.067	1973
1974	---	---	0	3.62	0.147	0.016	0	0	0	0	---	---	0.488	1974
1975	---	---	0	0.305	0.022	0	0	0	0	0	---	---	0.050	1975
1976	---	---	0.106	0.775	0.015	0.003	0.016	0	0	0	---	---	0.113	1976
1977	---	---	0	0	0.021	0.009	0.073	0.001	0	0	---	---	0.013	1977
1978	---	---	0.188	0.175	0.008	0	0	0	0	0	---	---	0.048	1978
1979	---	---	0.891	1.80	0.074	0	0	0	0	0	---	---	0.217	1979
1980	---	---	0.303	0.123	0	0	0	0	0	0	---	---	0.055	1980
1981	---	0	0	0	0	0	0	0	0	0	---	---	0	1981
1982	---	---	0	1.10	0.007	0.012	0.037	0.001	0	0	---	---	0.142	1982
1983	---	0	0.128	0.300	0.008	0	0.123	0.003	0	0	---	---	0.070	1983
1984	---	---	0.188	0.018	0	0	0	0	0	0	---	---	0.022	1984
1985	---	---	0.310	1.67	0.038	0	0	0	0	0	---	---	0.238	1985
1986	---	---	0.178	0.008	0	0	0	0	0	0	---	---	0.024	1986
1987	---	---	0.148	0.104	0	0	0	0	0	0	---	---	0.031	1987
1988	---	---	0	0	0	0	0	0	0	0	---	---	0	1988
MEAN	---	0	0.099	0.583	0.020	0.003	0.015	0	0	0	---	---	0.089	MEAN

LOCATION - LAT 50 58 44 N DRAINAGE AREA, 381 km²
LONG 105 57 34 W REGULATED

ISKWAO CREEK NEAR CRAIK - STATION NO. 05JG014

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1972	0.7988 AT 01:40 CST ON MAR 22	0.4678 ON MAR 22	0B ON MAR 1 *	88.6	1972
1973	0.253 AT 02:10 CST ON MAR 17	0.218 ON MAR 18	0B ON MAR 1	181	1973
1974	24.8 AT 05:51 CST ON APR 20 *	21.1 ON APR 20 *	0B ON MAR 1	10 300	1974
1975	1.76 AT 14:32 CST ON APR 22	1.28 ON APR 22	0B ON MAR 1	881	1975
1976	3.37 AT 18:50 CST ON APR 1	2.73 ON APR 1	0B ON MAR 1	2 390	1976
1977	0.830 AT 15:40 CST ON JUL 16	0.809 ON JUL 17	0B ON MAR 1	278	1977
1978	1.71 AT 13:05 CST ON APR 1	1.43 ON APR 1	0B ON MAR 1	1 010	1978
1979	8.18 AT 23:40 CST ON APR 18	7.79 ON APR 19	0B ON MAR 1	4 800	1979
1980	3.23 B AT 22:08 CST ON MAR 30	2.82 B ON MAR 30	0B ON MAR 1	1 180	1980
1981	0 B AT 00:00 CST ON MAR 1	0 BN MAR 1	0 ON MAR 1	0	1981
1982	10.1 B AT 18:45 CST ON APR 14	8.57 B ON APR 14	0B ON MAR 1	3 010	1982
1983	2.62 B AT 18:44 CST ON APR 2	1.88 B ON APR 1	0B ON MAR 1	1 470	1983
1984	1.14 B AT 21:58 CST ON MAR 20	0.8718 ON MAR 21	0B ON MAR 1	472	1984
1985	8.53 AT 18:29 CST ON APR 2	7.62 ON APR 3	0B ON MAR 1	4 990	1985
1986	0.920B AT 08:18 CST ON MAR 8	0.8318 ON MAR 3	0B ON MAR 1	486	1986
1987	1.17 B AT 20:18 CST ON MAR 5	0.6418 ON MAR 31	0B ON MAR 1	857	1987
1988	---	0 ON MAR 1	0 ON MAR 1	0	1988
				1 880	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

JACKFISH RIVER NEAR PRINCE - STATION NO. 05EG002

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1919	---	---	---	---	---	---	---	---	---	---	---	---	---	1919
1920	---	---	---	---	0.887	1.78	0.803	0.277	0.222	0.248	---	---	---	1920
1921	---	---	---	---	20.5	5.80	2.80	1.36	1.42	1.50	---	---	---	1921
MEAN	---	---	---	---	10.7	4.35	1.70	0.814	0.821	0.875	---	---	---	MEAN

LOCATION - LAT 52 58 48 N DRAINAGE AREA, 3 480 km²
LONG 105 24 38 W NATURAL FLOW

JACKFISH RIVER NEAR PRINCE - STATION NO. 05EG002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1919	---	---	0B ON AUG 23 *	---	1919
1920	---	---	---	---	1920
1921	---	27.0 ON MAY 7 *	---	---	1921
				---	MEAN

* - EXTREME RECORDED FOR THE PERIOD OF RECORD
R - REVISED SINCE JAN 01 1987

JACKFISH RIVER NEAR PRINCE - STATION NO. 05EC007

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1970	---	---	---	0.341	5.90	3.34	0.21	---	---	---	---	---	---	1970
1971	---	---	0	0.010	---	---	---	---	---	---	---	---	---	1971
1973	---	---	---	---	---	1.26	---	---	---	---	---	---	---	1973
1974	---	---	0	0.912	10.1	5.36	---	---	---	---	---	---	---	1974
1975	---	---	0	0.082	1.33	0.599	3.03	0.105	0.022	0	---	---	0.552	1975
1976	---	---	0	0.088	0.005	0.001	0.018	0	0	0	---	---	0.014	1976
1977	---	---	0	0.001	0.009	0	0	0	0	0	---	---	0.001	1977
1978	---	---	0.001	0.001	0	0	0	0	0	0.077	---	---	0.010	1978
1979	---	---	0	0	2.77	4.84	0.374	0.070	0	0	---	---	0.888	1979
1980	---	---	0	0	0	0.028	0.001	0	E	0	---	---	0.003	1980
1981	---	---	0	0	0.233	0	0	0	0	0.208	---	---	0.058	1981
1982	---	---	0	0	0	0	0	0	E	0.244	---	---	0.031	1982
1983	---	---	0	0	0	0	0.124	0	0	0	---	---	0.016	1983
1984	---	---	0	3.07	4.59	2.86	0.584	0	E	0	---	---	1.38	1984
1985	---	---	0	1.33	9.67	5.91	2.00	0	E	0	---	---	2.38	1985
1986	---	---	0	0	4.27	0.182	0	0	E	0	---	---	0.594	1986
1987	---	---	0	0	---	---	---	---	---	---	---	---	---	1987
MEAN	---	---	0	0.365	2.85	1.83	0.950	0.015	0.002	0.044	---	---	0.807	MEAN

LOCATION - LAT 53 01 14 N DRAINAGE AREA, 3 320 km²
LONG 108 21 55 W REGULATED

REMARKS - RECORDS WERE COLLECTED IN NW16-49-17-W3 FROM 1970-71 AND 1973-78

JACKFISH RIVER NEAR PRINCE - STATION NO. 05EC007

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1970	---	---	---	---	1970
1971	---	---	OB ON APR 1 *	---	1971
			OB ON MAR 1	---	
1973	---	---	---	---	1973
1974	---	---	OE ON JUN 1	---	1974
		10.6 ON MAY 9	OB ON MAR 1	---	
1975	---	5.06 ON MAY 13	OB ON MAR 1	13 800	1975
1976	---	0.597 ON APR 17	OB ON MAR 1	293	1976
1977	---	0.0488 ON MAY 15	OB ON MAR 1	27.4	1977
1978	---	0.493 ON OCT 4	OB ON MAR 1	212	1978
1979	8.74 AT 16:10 CST ON JUN 6	8.55 R ON JUN 6	OB ON MAR 1	21 200	1979
1980	0.337 AT 13:20 CST ON JUN 20	0.275 ON JUN 19	OB ON MAR 1	73.5	1980
1981	---	2.56 A ON MAY 14	OB ON MAR 1	1 180	1981
1982	2.47 AT 11:00 CST ON OCT 19	2.40 ON OCT 20	OB ON MAR 1	854	1982
1983	0.826 AT 03:08 CST ON JUL 12	0.817 ON JUL 11	OB ON MAR 1	333	1983
1984	---	10.0 ON APR 17	OB ON MAR 1	28 300	1984
1985	10.9 AT 15:36 CST ON MAY 5 *	10.9 ON MAY 5 *	OB ON MAR 1	50 000	1985
1986	5.58 AT 11:58 CST ON MAY 5	5.56 ON MAY 5	OB ON MAR 1	11 900	1986
1987	---	---	OB ON MAR 1	---	1987
				10 700	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD
R - REVISED SINCE JAN 01 1987

JEWEL CREEK NEAR GOODWATER - STATION NO. 05NB014

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1959	---	---	0	E	0	0.010	E.004	0	E	E	---	---	0.002	1959
1960	---	---	1.27	1.27	0.011	0	0	0	E	0	---	---	0.318	1960
1961	---	---	0	0	0	0	0	0	0	0	---	---	0	1961
1962	---	---	0	0.181	0	0	0	0	0	0	---	---	0.023	1962
1963	---	---	0.084	0.035	E	0.434	0.005	0	0	0	---	---	0.070	1963
1964	---	---	0	0.585	0.030	0.002	0	0	0	0	---	---	0.072	1964
1965	---	---	0	0.982	1.34	0.481	0.245	E.002	0.049	0.015	---	---	0.367	1965
1966	---	---	0.485	0.081	0.015	0.001	0	0	0	0	---	---	0.072	1966
1967	---	---	0.003	0.532	0.583	0.007	0	0	0	0	---	---	0.140	1967
1968	---	---	0	0	0	0	0	E.234	0.051	0.002	---	---	0.036	1968
1969	---	---	0	4.13	0.129	0.002	0.004	0	0	0	---	---	0.822	1969
1970	---	---	0	1.98	2.38	0.078	0.003	0.001	0	0	---	---	0.520	1970
1971	---	---	0.032	1.27	0.013	0	0	0	0	0	---	---	0.181	1971
1972	---	---	1.83	0.112	0.011	0.116	0.002	0	0	0	---	---	0.274	1972
1973	---	---	0	0	0.001	0	0	0	0	0	---	---	0	1973
1974	---	---	0	4.16	0.132	0.044	0.022	0.003	0	0	---	---	0.538	1974
1975	---	---	0.001	3.78	0.813	0.002	0.001	0	0	E	---	---	0.561	1975
1976	---	---	0.988	4.86	0.014	1.18	0.021	0.010	E	E	---	---	0.888	1976
1977	---	---	0	0.001	0.002	0	0	0	E	E	---	---	0	1977
1978	---	---	1.70	0.231	0.003	0.291	1.83	0.004	E.161	E.038	---	---	0.548	1978
1979	---	---	0.018	8.06	1.16	0.028	0	0	E.002	E	---	---	0.893	1979
1980	---	---	0.077	0.027	0	0	0	E	0	0	---	---	0.013	1980
1981	---	0.009	0	0	0	0	0	0	0	0	---	---	0	1981
1982	---	---	0	3.36	0.078	0.004	0	E	0	0	---	---	0.422	1982
1983	---	---	0	1.89	0.068	0.004	0	0	0	0	---	---	0.281	1983
1984	---	---	0	0	0	0	0	E	0	0	---	---	0	1984
1985	---	---	0.102	0.003	0	E	0	E	0	0	---	---	E.013	1985
1986	---	---	0.068	0.005	0.102	E.013	0.023	E.007	0	0	---	---	E.030	1986
1987	---	---	0.400	0.403	0.003	E	0	E	0	0	---	---	E.100	1987
1988	---	---	0	0	0	E	0	E	0	0	---	---	E	1988
MEAN	---	0.009	0.240	1.18	0.323	0.089	0.075	0.008	0.008	0.002	---	---	0.227	MEAN

LOCATION - LAT 49 23 10 N DRAINAGE AREA, 209 km²
LONG 103 42 42 W REGULATED

JEWEL CREEK NEAR GOODWATER - STATION NO. 05HB014

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1959	---	0.133 ON JUN 28	0 ON MAR 1 *	38.6	1959
1960	---	13.6 ON MAR 28	0B ON MAR 1	6 720	1960
1961	---	0 ON MAR 1	0 ON MAR 1	0	1961
1962	---	1.17 ON APR 5	0 ON MAR 1	485	1962
1963	---	2.82 ON JUN 5	0B ON MAR 1	1 480	1963
1964	---	2.00 ON APR 7	0 ON MAR 1	1 830	1964
1965	---	8.86 ON MAY 8	0B ON MAR 1	8 210	1965
1966	---	1.73 ON MAR 20	0B ON MAR 1	1 530	1966
1967	---	3.86 ON MAY 2	0B ON MAR 1	2 970	1967
1968	---	1.80 ON AUG 27	0 ON MAR 1	784	1968
1969	---	43.3 ON APR 10 *	0B ON MAR 1	11 100	1969
1970	---	17.2 ON MAY 4	0B ON MAR 1	11 000	1970
1971	---	13.8 B ON APR 8	0B ON MAR 1	3 400	1971
1972	10.8 B AT 16:00 CST ON MAR 20	8.48 B ON MAR 20	0B ON MAR 1	5 790	1972
1973	---	0.001 ON APR 20	0B ON MAR 1	2.33	1973
1974	41.8 AT 20:57 CST ON APR 17	30.9 ON APR 17	0B ON MAR 1	11 300	1974
1975	27.8 B AT 17:51 CST ON APR 21	22.5 B ON APR 21	0B ON MAR 1	11 500	1975
1976	31.1 AT 00:19 CST ON APR 4	26.9 ON APR 4	0B ON MAR 1	18 300	1976
1977	0.008 AT 22:46 CST ON MAY 20	0.008 ON MAY 20	0B ON MAR 1	6.41	1977
1978	19.6 B AT 12:01 CST ON MAR 28	17.2 ON JUL 10	0B ON MAR 1	11 800	1978
1979	47.8 B AT 01:22 CST ON APR 22 *	38.5 B ON APR 22	0B ON MAR 1	18 900	1979
1980	0.7358 AT 10:29 CST ON MAR 24	0.3718 ON MAR 25	0B ON MAR 1	277	1980
1981	---	0.001 ON MAR 1	0 ON MAR 3	0.17	1981
1982	43.6 B AT 03:03 CST ON APR 18	31.0 B ON APR 18	0B ON MAR 1	8 930	1982
1983	12.3 AT 08:59 CST ON APR 12	10.5 ON APR 12	0B ON MAR 1	5 320	1983
1984	0 AT 00:00 CST ON MAR 1	0 ON MAR 1	0 ON MAR 1	0	1984
1985	2.03 B AT 18:30 CST ON MAR 11	0.8148 ON MAR 12	0B ON MAR 1	282	1985
1986	0.986 AT 10:44 CST ON JUN 19	0.868 ON MAY 14	0 ON MAY 2	634	1986
1987	2.82 B AT 16:26 CST ON MAR 29	2.71 B ON MAR 30	0B ON MAR 1	2 120	1987
1988	---	0 ON MAR 1	0 ON MAR 1	0	1988
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		4 810	MEAN

JONES CREEK AT READ'S RANCH - STATION NO. 05HD002

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1909	---	---	---	---	---	---	---	---	---	0.051	---	---	---	1909
1910	---	---	---	0.122	0.030	0.010	0.017	0.003	0.008	0.013	---	---	0.029	1910
1911	---	---	---	0.488	0.083	0.087	0.038	0.015	---	---	---	---	---	1911
MEAN	---	---	---	0.295	0.057	0.048	0.027	0.009	0.008	0.032	---	---	0.029	MEAN

LOCATION - LAT 49 37 10 N, LONG 108 40 20 W. DRAINAGE AREA, 138 km^2. NATURAL FLOW

JONES CREEK AT READ'S RANCH - STATION NO. 05HD002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1909	---	---	---	---	1909
1910	---	0.304 ON APR 12	0 ON JUL 29 *	631	1910
1911	---	1.58 ON APR 10 *	0 ON JUL 25	---	1911
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		631	MEAN

JONES CREEK AT STEARNS' RANCH - STATION NO. 05HD008

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1912	---	---	---	---	---	0.072	0.036	0.028	0.028	0.028	---	---	---	1912
1913	---	---	---	---	0.078	0.036	0.030	0.018	0.016	0.022	---	---	---	1913
1914	---	---	---	0.198	0.080	0.032	0.304	0	0	0	---	---	---	1914
1915	---	---	---	0.164	0.085	0.248	0.077	0.026	---	---	---	---	---	1915
MEAN	---	---	---	0.180	0.071	0.095	0.038	0.017	0.014	0.017	---	---	---	MEAN

LOCATION - LAT 49 38 10 N, LONG 108 40 30 W. DRAINAGE AREA, 67.3 km^2. NATURAL FLOW

JONES CREEK AT STEARNS' RANCH - STATION NO. 05HD009

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1912	---	---	---	---	1912
1913	---	---	---	---	1913
1914	---	---	0E ON JUL 19 *	---	1914
1915	---	1.13 ON JUN 20 *	---	---	1915
	E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

JUMPING DEER CREEK NEAR LIPTON - STATION NO. 05JK004

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1941	---	---	0.002	0.284	0.017	0	0	0	0	0	---	---	0.035	1941
1942	---	---	0.547	0.462	0.012	0.032	0.278	0.088	0.107	0.041	---	---	0.132	1942
1943	---	---	0	2.63	0.107	0.011	0.001	0	0	0	---	---	0.337	1943
1944	---	---	0	0.372	0.014	0.048	0.008	0	0	0	---	---	0.054	1944
1945	---	---	0.080	0.024	0.010	0.011	0.001	0	0	0	---	---	0.018	1945
1946	---	---	0.140	0.038	0.014	0.007	0.031	0.002	0	0.015	---	---	0.031	1946
1947	---	---	0	1.14	0.082	0.057	0.005	0	0	0	---	---	0.185	1947
1948	---	---	0	0.578	0.136	0.010	0	0	0	0	---	---	0.101	1948
1949	---	---	0	0.048	0.003	0.001	0	0.002	0	0	---	---	0.007	1949
1950	---	---	0	0.969	0.023	0.123	0.021	0.001	0.005	0	---	---	0.143	1950
1951	---	---	0	---	0.036	0.017	0.004	0	0.017	0.029	---	---	---	1951
1952	---	---	0.144	0.251	0.012	0.038	0.010	0.002	0.016	0.015	---	---	0.060	1952
1953	---	---	0.348	1.26	0.063	0.123	0.058	0.011	0.007	0.008	---	---	0.236	1953
1954	---	---	0	1.18	0.123	0.264	0.270	0.119	0.402	0.333	---	---	0.333	1954
1955	---	---	0.082	1.49	2.91	0.928	0.402	0.018	0.003	0.012	---	---	0.730	1955
1956	---	---	0.018	2.07	0.503	0.268	0.101	0.018	0.011	0.021	---	---	0.370	1956
1957	---	---	0.367	0.778	0.188	0.028	0.003	0.013	0.005	0.005	---	---	0.173	1957
1958	---	---	0.339	0.257	0.018	0.007	0.003	0.001	0.005	0.011	---	---	0.080	1958
1959	---	---	0.089	0.043	0.028	0.042	0.008	0	0.001	0.008	---	---	0.027	1959
1960	---	---	0	0.508	0.043	0.043	0	0	0	0	---	---	0.073	1960
1961	---	---	0.015	0.044	0.020	0.004	0	0	0	0.001	---	---	0.011	1961
1962	---	---	0	0.227	0.041	0.031	0.008	0	0	0.001	---	---	0.038	1962
1963	---	---	0.139	0.038	0.028	0.035	0.018	0.003	0.003	0.003	---	---	0.033	1963
1964	---	---	0	0.193	0.017	0.004	0	0.002	0	0	---	---	0.026	1964
1965	---	---	0	0.112	0.031	0.047	0.037	0.023	0	0	---	---	0.031	1965
1966	---	---	0.134	0.452	0.028	0.044	0.011	0.032	0	0.003	---	---	0.067	1966
1967	---	---	0	0.433	0.144	0.021	0.002	0	0	0.040	---	---	0.078	1967
1968	---	---	0.518	0.092	0.008	0.008	0.002	0.004	0.005	0.013	---	---	0.062	1968
1969	---	---	0	1.26	0.038	0.035	0.051	0	0	0.013	---	---	0.170	1969
1970	---	---	0.087	0.482	0.074	0.033	0.008	0.002	0	0.017	---	---	0.087	1970
1971	---	---	0	1.33	0.081	0.032	0.008	0.001	0.001	0.004	---	---	0.178	1971
1972	---	---	0.156	0.365	0.089	0.002	0.001	0	0	0.005	---	---	0.075	1972
1973	---	---	0.048	0.018	0.024	0.013	0.004	0.005	0.007	0.002	---	---	0.015	1973
1974	---	---	0	0.859	0.323	0.078	0.010	0.043	0.023	0.009	---	---	0.178	1974
1975	---	---	0	1.20	0.440	0.059	0.008	0.005	0.004	0.010	---	---	0.213	1975
1976	---	---	0	1.32	0.058	0.868	0.048	0.005	0.003	0.003	---	---	0.282	1976
1977	---	---	0.029	0.041	0.087	0.001	0	0	0	0	---	---	0.017	1977
1978	---	---	0.208	0.200	0.060	0.014	0.001	0	0	0.001	---	---	0.060	1978
1979	---	---	0.002	1.84	0.138	0.012	0	0	0	0	---	---	0.218	1979
1980	---	---	0.004	0.597	0.008	0.001	0.001	0.001	0.001	0.001	---	---	0.076	1980
1981	---	---	0.006	0.017	0.004	0.007	0.017	0.005	0.002	0.007	---	---	0.008	1981
1982	---	---	0	0.813	0.038	0.021	0.002	0	0	0.001	---	---	0.083	1982
1983	---	---	0	0.185	0.052	0.083	0.153	0	0.001	0.004	---	---	0.058	1983
1984	---	---	0.111	0.059	0.018	0.022	0	0	0	0.001	---	---	0.027	1984
1985	---	---	0.133	0.658	0.004	0.001	0.001	0	0	0.001	---	---	0.121	1985
1986	---	---	0.534	0.085	0.084	0.001	0.001	0	0	0.001	---	---	0.089	1986
1987	---	---	0.078	0.085	0.003	0.001	0.003	0.005	0.001	0.004	---	---	0.023	1987
1988	---	---	0.001	0.037	0.008	0.001	0.001	0.002	0.001	0	---	---	0.008	1988
MEAN	---	---	0.078	0.582	0.128	0.073	0.033	0.009	0.013	0.013	---	---	0.118	MEAN

LOCATION - LAT 50 55 10 N
LONG 103 53 57 W

DRAINAGE AREA, 1 880 km^2
REGULATED

JUMPING DEER CREEK NEAR LIPTON - STATION NO. 05JK004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1941	---	1.64 ON APR 7	0 ON MAR 1 *	735	1941
1942	---	4.11 B ON APR 3	0B ON MAR 1	2 590	1942
1943	---	14.1 ON APR 5 *	0 ON MAR 1	7 140	1943
1944	---	4.16 ON APR 5	0 ON MAR 1	1 150	1944
1945	---	0.283B ON MAR 27	0B ON MAR 1	336	1945
1946	---	0.563 ON MAR 27	0 ON MAR 1	659	1946
1947	---	7.06 B ON APR 14	0B ON MAR 1	3 290	1947
1948	---	3.09 B ON APR 18	0B ON MAR 1	2 150	1948
1949	---	0.425B ON APR 2	0B ON MAR 1	143	1949
1950	---	6.17 ON APR 17	0B ON MAR 1	3 010	1950
1951	---	---	0B ON MAR 1	---	1951
1952	---	2.83 B ON MAR 31	0B ON MAR 1	1 280	1952
1953	---	7.25 ON APR 2	0B ON MAR 1	4 880	1953
1954	---	6.41 ON APR 14	0B ON MAR 1	7 050	1954
1955	---	8.00 ON MAY 4	0B ON MAR 1	16 500	1955
1956	---	6.23 ON APR 14	0B ON MAR 1	7 830	1956
1957	---	2.94 B ON APR 5	0B ON MAR 1	3 670	1957
1958	---	2.80 B ON MAR 29	0B ON MAR 1	1 880	1958
1959	---	0.706B ON MAR 23	0B ON MAR 1	987	1959
1960	---	2.58 A ON APR 7	0B ON MAR 1	1 880	1960
1961	---	0.085B ON MAR 26	0B ON MAR 1	222	1961
1962	3.82 AT 03:00 CST ON APR 17	1.49 ON APR 17	0B ON MAR 1	788	1962
1963	2.35 B AT 01:30 CST ON MAR 22	1.48 B ON MAR 22	0B ON MAR 1	705	1963
1964	1.98 B AT 00:30 CST ON APR 3	1.28 B ON APR 3	0B ON MAR 1	559	1964
1965	0.974 AT 14:00 CST ON APR 11	0.586 ON APR 11	0 ON MAR 1	887	1965
1966	---	2.47 ON APR 2	0B ON MAR 1	1 830	1966
1967	---	3.82 ON APR 16	0B ON MAR 1	1 870	1967
1968	2.97 B AT 03:00 CST ON MAR 7	2.32 B ON MAR 8	0E ON JUN 26	1 720	1968
1969	8.81 AT 00:00 CST ON APR 11	8.84 ON APR 11	0B ON MAR 1	3 800	1969
1970	3.81 AT 20:30 CST ON APR 8	2.72 ON APR 8	0B ON MAR 1	1 840	1970
1971	8.86 AT 01:21 CST ON APR 10	6.20 B ON APR 9	0B ON MAR 1	3 730	1971
1972	1.65 B AT 20:23 CST ON APR 9	1.27 B ON APR 9	0B ON MAR 1	1 540	1972
1973	0.824 AT 14:59 CST ON MAY 12	0.186B ON MAR 16	0B ON MAR 1	320	1973
1974	7.90 AT 01:53 CST ON APR 19	4.84 ON APR 19	0B ON MAR 1	3 780	1974
1975	5.27 AT 23:10 CST ON APR 26	4.50 ON APR 29	0B ON MAR 1	4 510	1975
1976	8.87 AT 22:43 CST ON JUN 12	5.88 ON APR 9	0B ON MAR 1	5 870	1976
1977	0.871 AT 15:09 CST ON MAY 8	0.345 ON MAY 6	0B ON MAR 1	364	1977
1978	1.87 B AT 22:42 CST ON MAR 26	1.55 B ON MAR 29	0B ON MAR 1	1 280	1978
1979	7.54 B AT 23:27 CST ON APR 20	5.86 B ON APR 18	0B ON MAR 1	4 640	1979
1980	4.13 B AT 01:17 CST ON APR 8	2.91 B ON APR 8	0B ON MAR 1	1 600	1980
1981	1.48 AT 14:48 CST ON JUL 3	0.396 ON JUL 3	0B ON MAR 1	188	1981
1982	4.17 B AT 20:23 CST ON APR 13	3.78 B ON APR 13	0B ON MAR 1	1 760	1982
1983	2.35 AT 00:42 CST ON JUN 25	1.75 ON JUL 11	0B ON MAR 1	1 230	1983
1984	1.21 B AT 11:14 CST ON MAR 26	0.885B ON MAR 28	0B ON MAR 1	562	1984
1985	9.04 AT 22:55 CST ON APR 2 *	8.73 ON APR 2	0B ON MAR 1	2 670	1985
1986	---	1.90 B ON MAR 15	0B ON MAR 1	1 240	1986
1987	0.480B AT 12:00 CST ON MAR 22	0.480B ON MAR 22	0B ON MAR 1	478	1987
1988	0.370 AT 04:38 CST ON APR 6	0.286 ON APR 6	0B ON MAR 1	128	1988
				2 450	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

KAPOSVAR CREEK NEAR ESTERHAZY - STATION NO. 05JM012

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1956	---	---	0	5.26	3.44	0.718	0.343	0.141	0.009	0.079	---	---	1.36	1956
1957	---	---	0.146	2.18	0.185	0.023	0.018	0.002	0	0	---	---	0.312	1957
1958	---	---	0.148	0.181	0	0	0	0	0	0	---	---	0.041	1958
1959	---	---	0.038	0	0	0	0	0	0	0	---	---	0.006	1959
1960	---	---	0	0.869	0.050	0.002	0	0	0	0	---	---	0.115	1960
1961	---	---	0	0	0	0	0	0	0	0	---	---	0	1961
1962	---	---	0	0.082	0	0	0	0	0	0	---	---	0.011	1962
1963	---	---	0.086	0.005	0.003	0.002	0.005	0.007	0	0	---	---	0.018	1963
1964	---	---	0	0.279	0.125	0.077	0.006	0.001	0.001	0.003	---	---	0.061	1964
1965	---	---	0	1.80	0.378	0.011	0.004	0	0.008	0	---	---	0.271	1965
1966	---	---	0.147	0.887	0.101	0.001	0.018	0.003	0.001	0	---	---	0.143	1966
1967	---	---	0	1.07	0.273	0.013	0	0	0	0	---	---	0.186	1967
1968	---	---	0.618	0.045	0.010	0.001	0	0.001	0.001	0.004	---	---	0.086	1968
1969	---	---	0.007	0.402	0.047	0	0.001	0	0	0	---	---	0.058	1969
1970	---	---	0	0.734	0.158	0.001	0.028	0	0	0.062	---	---	0.115	1970
1971	---	---	0	0.512	0.042	0.001	0.006	0	0	0.077	---	---	0.142	1971
MEAN	---	---	0.078	0.986	0.298	0.053	0.027	0.010	0.001	0.048	---	---	0.181	MEAN

LOCATION - LAT 50 38 57 N
LONG 102 02 20 W
DRAINAGE AREA, 1 700 km^2
REGULATED SINCE 1947

KAPOSVAR CREEK NEAR ESTERHAZY - STATION NO. 05JM012

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1956	---	16.9 E ON APR 19 *	08 ON MAR 1 *	28 800	1956
1957	---	5.36 B ON APR 7	0 ON MAY 30	8 800	1957
1958	---	1.33 B ON MAR 28	08 ON MAR 1	881	1958
1959	---	0.2858 ON MAR 22	08 ON MAR 1	98.5	1959
1960	---	5.63 B ON APR 7	08 ON MAR 1	2 440	1960
1961	---	0 ON MAR 1	0 ON MAR 1	0	1961
1962	---	0.3008 ON APR 8	08 ON MAR 1	135	1962
1963	---	0.736E ON MAR 23	0 ON MAR 1	319	1963
1964	---	0.4638 ON APR 11	08 ON MAR 1	1 290	1964
1965	---	5.89 B ON APR 12	08 ON MAR 1	5 730	1965
1966	---	4.26 B ON APR 5	08 ON MAR 1	3 030	1966
1967	---	5.12 B ON APR 13	08 ON MAR 1	3 540	1967
1968	---	2.64 B ON MAR 8	08 ON MAR 1	1 820	1968
1969	---	1.44 ON APR 16	08 ON MAR 1	1 190	1969
1970	---	3.23 ON APR 14	08 ON MAR 1	2 430	1970
1971	---	1.16 E ON APR 13	08 ON MAR 1	3 020	1971
				3 830	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

KAPOSVAR CREEK NEAR TANTALLON - STATION NO. 05JM005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1941	---	---	---	---	0.002	0	0	0	0	0	---	---	---	1941
1942	---	---	0.854	2.88	0.010	0.333	0.004	0.367	0.088	0.034	---	---	0.486	1942
1943	---	---	0.220	3.81	0.067	0.173	0.186	0.880	0.503	---	---	---	---	1943
1944	---	---	---	0.736	0.055	0.884	0.084	0.005	0.004	0.002	---	---	0.240	1944
1945	---	---	0.388	0.138	0.072	0.047	0.083	0.005	0	---	---	---	---	1945
1946	---	---	---	0.581	0.030	0.008	1.76	0.010	0.006	0.015	---	---	0.347	1946
1947	---	---	---	4.07	0.476	0.858	0.314	0.033	0.011	0.013	---	---	0.813	1947
1948	---	---	---	4.08	1.06	0.212	0.838	0.006	0.003	0.004	---	---	0.853	1948
1949	---	---	---	---	0.030	0.294	0.012	---	---	---	---	---	---	1949
1950	---	---	---	1.48	0.112	0.074	0.157	---	---	---	---	---	---	1950
1951	---	---	---	1.06	0.203	0.224	0.026	0	0	0.003	---	---	0.213	1951
1952	---	--	0.070	1.08	0.038	0.027	0.010	0.003	0.022	0.017	---	---	0.168	1952
1953	---	---	---	1.81	0.271	1.28	0.584	0.820	0.170	0.171	---	---	0.704	1953
1954	---	---	---	1.98	0.988	8.45	4.41	0.526	1.18	1.48	0.867	---	2.42	1954
1955	---	---	---	10.2	10.4	1.45	0.542	0.088	0.010	0.058	---	---	3.24	1955
MEAN	---	---	0.303	2.89	0.922	0.818	0.582	0.202	0.184	0.184	0.867	---	0.849	MEAN

LOCATION - LAT 50 31 43 N
LONG 101 55 00 W
DRAINAGE AREA, 1 810 km^2
NATURAL FLOW

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1948

KAPOSVAR CREEK NEAR TANTALLON - STATION NO. 05JM005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1941	---	---	0 ON MAY 12 *	---	1941
1942	---	18.8 ON APR 1	0 ON JUL 3	8 880	1942
1943	---	11.9 B ON APR 3	0.886 ON AUG 16	---	1943
1944	---	4.26 ON JUN 3	0 E ON AUG 11	4 440	1944
1945	---	0.3118 ON APR 15	0 ON AUG 17	---	1945
1946	---	14.7 ON JUL 10	0 ON JUN 27	8 420	1946
1947	---	9.85 B ON APR 10	0 ON SEP 8	15 100	1947
1948	---	12.6 ON APR 26	0 B ON APR 1	15 800	1948
1949	---	5.86 ON APR 8	0 ON JUL 13	---	1949
1950	---	9.40 ON APR 15	0 ON JUL 8	---	1950
1951	---	3.40 B ON APR 5	0 ON JUL 14	3 840	1951
1952	---	4.18 B ON APR 4	0 ON APR 21	3 120	1952
1953	---	11.3 ON APR 2	0.026 ON OCT 6	13 000	1953
1954	---	15.8 ON JUN 10	0.085 ON SEP 2	44 700	1954
1955	---	57.2 ON MAY 4 *	0 ON AUG 24	80 000	1955
				17 800	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

KEARNEY BROTHERS DITCH NEAR KEALEY SPRINGS - STATION NO. 11AC042

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1917	---	---	0	0	0	0	0	0	0	0	---	---	0	1917
MEAN	---	---	0	0	0	0	0	0	0	0	---	---	0	MEAN

LOCATION - LAT 49 39 20 N
LONG 109 05 10 W
REGULATED

REMARKS - NO WATER WAS DIVERTED DURING 1917 AND FROM 1919-29

KEARNEY BROTHERS DITCH NEAR KEALEY SPRINGS - STATION NO. 11AC042

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1917	---	0 ON MAR 1 *	0 ON MAR 1 *	0	1917
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		0	MEAN

KEELEY RIVER AT OUTLET OF KEELEY LAKE - STATION NO. 05BB004

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1972	---	---	---	---	---	---	---	2.81	2.07	2.62	2.56	2.37	---	1972
1973	2.34	1.99	1.81	2.36	4.13	5.16	6.82	7.81	6.40	5.04	5.46	4.82	4.86	1973
1974	4.66	3.94	3.26	3.16	5.81	10.4	7.28	4.64	3.46	2.82	2.33	2.01	4.47	1974
1975	1.97	2.01	1.84	1.58	2.66	4.40	4.69	4.61	3.66	3.64	2.84	2.28	2.98	1975
1976	1.87	1.77	1.66	1.68	2.17	2.56	3.73	3.65	2.67	1.99	1.64	1.16	2.20	1976
1978	1.46	1.43	1.45	2.04	---	---	4.67	3.07	2.65	2.11	1.60	1.38	---	1978
1979	1.22	1.20	1.15	2.05	5.23	4.65	4.22	3.33	3.19	2.66	2.25	2.02	2.77	1979
1980	1.62	1.65	1.43	1.55	1.59	1.29	1.73	2.61	4.69	4.76	3.73	3.16	2.51	1980
1981	2.70	2.17	1.93	2.09	2.60	2.06	1.59	1.06	0.410	0.315	0.367	0.465	1.49	1981
1982	0.427	0.487	0.709	1.17	3.87	4.26	4.54	4.13	2.63	2.08	1.60	1.65	2.36	1982
1983	2.06	1.65	1.78	1.63	2.36	2.16	2.76	2.60	2.21	2.36	2.47	2.36	2.24	1983
1984	2.01	1.80	1.84	2.07	4.23	7.69	5.21	3.14	1.83	1.61	1.68	2.06	2.95	1984
1985	1.69	1.80	2.16	3.29	9.36	9.67	6.19	3.26	2.19	1.65	1.47	1.36	3.69	1985
1986	1.46	1.42	1.36	1.72	4.25	6.54	6.90	5.81	5.24	3.51	2.77	2.56	3.96	1986
1987	2.35	2.20	2.07	2.81	4.04	3.66	3.66	4.02	3.42	2.08	1.47	1.36	2.78	1987
1988	1.33	1.30	1.50	1.83	2.76	3.46	5.36	5.73	6.88	4.67	3.88	3.29	3.48	1988
MEAN	1.97	1.80	1.70	2.08	3.96	4.95	4.76	4.11	3.33	2.80	2.40	2.16	3.05	MEAN

LOCATION - LAT 54 55 10 N DRAINAGE AREA, 1 020 km^2
LONG 108 03 20 W NATURAL FLOW

KEELEY RIVER AT OUTLET OF KEELEY LAKE - STATION NO. 05BB004

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1972	---	---	---	---	1972
1973	10.1 AT 23:02 CST ON JUL 11	9.54 ON JUL 8	1.85 ON FEB 25	153 000	1973
1974	---	11.3 E ON JUN 12 *	1.87 ON NOV 30	141 000	1974
1975	5.92 AT 13:56 CST ON AUG 23	5.15 ON AUG 23	1.41 ON APR 5	94 100	1975
1976	5.01 AT 14:48 CST ON JUL 22	4.81 ON JUL 22	1.04 E ON DEC 30	88 700	1976
1978	---	---	1.32 ON DEC 27	---	1978
1979	---	5.78E ON MAY 5	1.10 E ON APR 6	87 400	1979
1980	---	5.44A ON SEP 30	1.15 ON JUN 23	78 300	1980
1981	---	3.08E ON MAY 14	0.248 ON OCT 25 *	47 100	1981
1982	5.33 AT 17:25 CST ON JUL 12	4.27 ON JUL 15	0.380B ON JAN 27	74 500	1982
1983	3.55 AT 18:06 CST ON JUL 26	3.37 ON JUL 27	1.69 ON APR 3	70 600	1983
1984	8.98 AT 04:44 CST ON JUN 1	8.88 ON JUN 1	1.36 ON OCT 16	93 500	1984
1985	---	10.8 E ON JUN 18	1.29 E ON NOV 26	117 000	1985
1986	11.2 AT 22:40 CST ON AUG 6 *	11.1 ON AUG 6	1.34 E ON MAR 20	125 000	1986
1987	4.56 AT 13:14 CST ON MAY 17	4.30 ON JUL 31	1.35 ON DEC 15	87 800	1987
1988	8.38 AT 14:24 CST ON AUG 31	8.19 ON AUG 31	1.27 E ON FEB 8	110 000	1988
				96 400	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

KELSEY CREEK NEAR GARRICK - STATION NO. 05KE007

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1957	---	---	---	1.85	0.408	---	---	---	---	---	---	---	---	1957
1958	---	---	---	1.70	---	---	---	---	---	---	---	---	---	1958
1959	---	---	---	0.716	---	---	---	---	---	---	---	---	---	1959
1960	---	---	---	1.02	---	---	---	---	---	---	---	---	---	1960
1961	---	---	---	0.815	---	---	---	---	---	---	---	---	---	1961
1962	---	---	---	1.82	0.788	---	---	---	---	---	---	---	---	1962
1963	---	---	---	0.825	---	---	---	---	---	---	---	---	---	1963
1964	---	---	---	0.204	---	---	---	---	---	---	---	---	---	1964
1965	---	---	---	1.04	0	---	---	---	---	---	---	---	---	1965
1966	---	---	---	0.248	0	---	---	---	---	---	---	---	---	1966
1968	---	---	0.011	0.128	---	---	---	---	---	---	---	---	---	1968
1969	---	---	---	1.41	---	---	---	---	---	---	---	---	---	1969
1970	---	---	---	1.85	---	---	---	---	---	---	---	---	---	1970
1971	---	---	---	1.93	---	---	---	---	---	---	---	---	---	1971
1972	---	---	---	4.85	---	---	---	---	---	---	---	---	---	1972
1973	---	---	---	1.22	---	---	---	---	---	---	---	---	---	1973
1974	---	---	---	6.14	1.30	1.24	---	---	---	---	---	---	---	1974
1975	---	---	0	0.788	0.177	0	0	0	0	0	---	---	0.119	1975
1976	---	---	0	0.402	0.019	0	0	0	0	0	---	---	0.052	1976
1977	---	---	0	0.010	0	0	0	0	0	0	---	---	0.001	1977
1978	---	---	0	2.55	0.321	0.005	0	0	0	0	---	---	0.353	1978
1979	---	---	0	3.70	1.05	0.085	0	0	0	0	---	---	0.597	1979
1980	---	---	0	0.286	0.005	0	0	0	0	0	---	---	0.033	1980
1981	---	---	0.004	0.028	0.005	0	0	0	0	0	---	---	0.005	1981
1982	---	---	0	0.815	0.011	0.001	0	0	0	0	---	---	0.101	1982
1983	---	---	0	1.46	0.248	0.005	0	0	0	0	---	---	0.210	1983
1984	---	---	0	1.26	0.082	0.178	0.002	0.003	0.001	0.003	---	---	0.189	1984
1985	---	---	0	5.85	0.563	0.385	0.125	0	0	0	---	---	0.948	1985
1986	---	---	0	1.13	0.280	0.027	0	0	0	0	---	---	0.178	1986
1987	---	---	0	0.343	0	0	0	0	0	0	---	---	0.042	1987
1988	---	---	0	0.738	0.003	0	0	0	0	0	---	---	0.081	1988
MEAN	---	---	0.001	1.54	0.278	0.128	0.009	0	0	0	---	---	0.208	MEAN

LOCATION - LAT 53 28 53 N DRAINAGE AREA, 158 km²
LONG 104 19 33 W NATURAL FLOW

REMARKS - STATION OPERATED IN SW05-52-18-W2 1957-73 AND SW17-52-18-W2 FROM 1974-77

KELSEY CREEK NEAR GARRICK - STATION NO. 05KE007

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1957	---	---	---	---	1957
1958	---	---	---	---	1958
1959	---	---	---	---	1959
1960	---	---	---	---	1960
1961	---	---	---	---	1961
1962	---	---	---	---	1962
1963	---	---	---	---	1963
1964	---	---	---	---	1964
1965	---	---	---	---	1965
1966	---	---	---	---	1966
1968	---	0.7838 ON APR 4	0B ON MAR 1 *	---	1968
1969	---	---	---	---	1969
1970	---	---	---	---	1970
1971	---	---	---	---	1971
1972	---	---	---	---	1972
1973	---	---	---	---	1973
1974	---	---	---	---	1974
1975	---	2.87 ON APR 19	0B ON MAR 1	2 510	1975
1976	---	3.51 ON APR 8	0B ON MAR 1	1 080	1976
1977	---	0.116 ON APR 10	0B ON MAR 1	25.8	1977
1978	15.7 AT 22:13 CST ON APR 23	13.3 R ON APR 23	0B ON MAR 1	7 480	1978
1979	28.5 AT 20:17 CST ON APR 23	19.7 ON APR 24	0B ON MAR 1	12 800	1979
1980	2.71 B AT 07:04 CST ON APR 14	2.38 B ON APR 14	0B ON MAR 1	701	1980
1981	0.247 AT 18:41 CST ON APR 25	0.165 ON APR 23	0B ON MAR 1	101	1981
1982	7.12 AT 01:58 CST ON APR 19	5.88 ON APR 19	0B ON MAR 1	2 140	1982
1983	11.8 AT 05:06 CST ON APR 23	9.56 ON APR 23	0B ON MAR 1	4 480	1983
1984	8.98 AT 04:23 CST ON APR 10	8.05 ON APR 10	0B ON MAR 1	4 010	1984
1985	31.3 AT 18:24 CST ON APR 20 *	28.4 ON APR 20 *	0B ON MAR 1	20 000	1985
1986	10.3 AT 19:05 CST ON APR 6	8.27 ON APR 7	0B ON MAR 1	3 770	1986
1987	4.60 B AT 22:04 CST ON APR 7	3.78 ON APR 8	0B ON MAR 1	880	1987
1988	8.95 B AT 19:12 CST ON APR 12	5.81 B ON APR 12	0B ON MAR 1	1 930	1988
				4 410	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD
R - REVISED SINCE JAN 01 1987

KNOX COULEE NEAR TUXFORD - STATION NO. 05JG015

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1978	---	---	0	0.037	B.001	0	0	0	0	0	---	---	0.005	1978
1980	---	---	0.004	0.003	0	0	0	0	0	0	---	---	0.001	1980
1981	---	0	0	0	0	0	0	0	0	0	---	---	0	1981
1982	---	---	0	0.185	0.001	0	0	0	0	0	---	---	0.023	1982
1983	---	---	0.007	0.012	0	0	0.013	0.001	0	0	---	---	0.004	1983
1984	---	---	0.013	0.001	0	0	0	0	0	0	---	---	0.002	1984
1985	---	---	0.033	0.033	0	0	0	0	0	0	---	---	0.008	1985
1986	---	0	0.007	0	0	0	0	0	0	0	---	---	0.001	1986
1987	---	---	0.008	0.004	0	0	0	0	0	0	---	---	0.002	1987
1988	---	---	0	0	0	0	0	0	0	0	---	---	0	1988
MEAN	---	0	0.007	0.028	0	0	0.001	0	0	0	---	---	0.005	MEAN

LOCATION - LAT 50 41 41 N DRAINAGE AREA, 34.1 km²
LONG 105 36 05 W REGULATED

KNOX COULEE NEAR TUXFORD - STATION NO. 05JG015

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1978	0.495 AT 23:06 CST ON APR 16	0.360 ON APR 16	OB ON MAR 1 *	56.4	1978
1980	0.2058 AT 13:45 CST ON MAR 30	0.0918 ON MAR 30	OB ON MAR 1	18.1	1980
1981	0 B AT 00:00 CST ON MAR 1	0 ON MAR 1	0 ON MAR 1	0	1981
1982	1.94 AT 23:52 CST ON APR 16 *	1.42 ON APR 17 *	OB ON MAR 1	482	1982
1983	0.4068 AT 11:30 CST ON MAR 31	0.2265 ON MAR 31	OB ON MAR 1	88.3	1983
1984	0.2268 AT 03:18 CST ON MAR 22	0.0968 ON MAR 22	OB ON MAR 1	38.6	1984
1985	0.7298 AT 12:33 CST ON MAR 19	0.3868 ON MAR 19	OB ON MAR 1	178	1985
1986	0.0948 AT 11:10 CST ON MAR 3	0.0948 ON MAR 3	0 ON APR 6	20.9	1986
1987	0.1018 AT 09:37 CST ON MAR 27	0.0838 ON MAR 27	OB ON MAR 1	34.5	1987
1988	0.002 AT 16:18 CST ON MAR 31	0.001 ON MAR 31	0 ON MAR 1	0.28	1988
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		95.7	MEAN

KOHLESCHMIDT CREEK NEAR ROSTHERN - STATION NO. 05HH003

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1964	---	---	0	1.18	---	---	---	---	---	---	---	---	---	1964
1965	---	---	0	2.50	---	---	---	---	---	---	---	---	---	1965
1966	---	---	---	0.634	---	---	---	---	---	---	---	---	---	1966
1967	---	---	---	0.117	0.143	---	---	---	---	---	---	---	---	1967
1968	---	---	0.588	---	---	---	---	---	---	---	---	---	---	1968
1969	---	---	0	3.88	---	---	---	---	---	---	---	---	---	1969
1970	---	---	0	4.38	---	---	---	---	---	---	---	---	---	1970
1971	---	---	0	1.27	---	---	---	---	---	---	---	---	---	1971
1972	---	---	0	5.41	---	---	---	---	---	---	---	---	---	1972
1973	---	---	0	0.220	---	---	---	---	---	---	---	---	---	1973
1974	---	---	0	4.30	0.196	---	---	---	---	---	---	---	---	1974
1975	---	---	0	1.06	0.149	0	0	0	0	0	---	---	0.146	1975
1976	---	---	0	1.38	0.044	0.015	0	0	0	0	---	---	0.179	1976
1977	---	---	0	0.004	0.023	0.020	0	0	0	0	---	---	0.006	1977
1978	---	---	0	0.831	0.021	0.001	0.001	0	0	0	---	---	0.060	1978
1979	---	---	0	8.13	1.38	0	0	0	0	0	---	---	0.823	1979
1980	---	---	0	0.965	0.004	0	0	0	0	0	---	---	0.118	1980
1981	---	---	0	0	0	0	0	0	0	0	---	---	0	1981
1982	---	---	0	0.012	0	0	0	0	0	0	---	---	0.001	1982
1983	---	---	0	0.848	0.036	0	0	0	0.002	0.001	---	---	0.121	1983
1984	---	---	0.116	0.117	0.001	0.014	0	0	0	0	---	---	0.021	1984
1985	---	---	0	6.12	0.291	0.003	0	0	0	0	---	---	0.761	1985
1986	---	---	0.401	0.212	0.002	0	0	0	0	0	---	---	0.077	1986
1987	---	---	0	1.14	0.006	0	0	0	0	0	---	---	0.143	1987
1988	---	---	0	1.66	0.002	0	0	0	0	0	---	---	0.203	1988
MEAN	---	---	0.047	1.93	0.142	0.004	0	0	0	0	---	---	0.201	MEAN

LOCATION - LAT 52 44 50 N DRAINAGE AREA, 360 km²
LONG 106 22 45 W NATURAL FLOW

KOHLESCHMIDT CREEK NEAR ROSTHERN - STATION NO. 05HM003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1964	---	5.87 ON APR 7	0E ON MAR 1 *	---	1964
1965	---	---	---	---	1965
1966	---	---	---	---	1966
1967	---	---	---	---	1967
1968	---	---	---	---	1968
1969	---	---	---	---	1969
1970	---	---	---	---	1970
1971	---	9.63 B ON APR 16	0E ON MAR 1	---	1971
1972	---	---	---	---	1972
1973	---	0.6218 ON APR 8	0E ON MAR 1	---	1973
1974	---	37.1 B ON APR 18	0E ON MAR 1	---	1974
1975	---	6.00 ON APR 22	0E ON MAR 1	3 140	1975
1976	15.8 B AT 07:57 CST ON APR 8	11.2 B ON APR 8	0E ON MAR 1	3 730	1976
1977	0.212 AT 16:06 CST ON MAY 5	0.144 ON MAY 5	0E ON MAR 1	122	1977
1978	4.05 A AT 23:58 CST ON APR 7	3.40 ON APR 6	0E ON MAR 1	1 890	1978
1979	35.4 AT 08:34 CST ON APR 25	33.1 ON APR 25	0E ON MAR 1	19 800	1979
1980	8.81 B AT 14:04 CST ON APR 18	8.06 B ON APR 18	0E ON MAR 1	3 480	1980
1981	0 B AT 00:00 CST ON MAR 1	0 B ON MAR 1	0E ON MAR 1	0	1981
1982	---	0.1378 ON APR 15	0E ON MAR 1	28.8	1982
1983	12.4 B AT 08:40 CST ON APR 8	8.66 B ON APR 8	0E ON MAR 1	2 680	1983
1984	---	0.868A ON MAR 28	0E ON MAR 1	852	1984
1985	43.7 AT 08:13 CST ON APR 14 *	37.5 ON APR 14 *	0E ON MAR 1	16 700	1985
1986	4.07 B AT 00:08 CST ON MAR 30	3.63 B ON MAR 30	0E ON MAR 1	1 830	1986
1987	9.80 B AT 13:51 CST ON APR 4	7.80 B ON APR 4	0E ON MAR 1	3 030	1987
1988	13.8 B AT 05:13 CST ON APR 8	11.2 B ON APR 8	0E ON MAR 1	4 310	1988
				4 260	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

KOKOTT DITCH NEAR EASTEND - STATION NO. 11AC020

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1914	---	---	E	0	0	0.047	0.044	0.039	0.022	0	---	---	0.019	1914
1915	---	---	0	0	0	0	0	0	0	0	---	---	0	1915
1916	---	---	E	0	0	0	0	0	0	0	---	---	0	1916
1917	---	---	0	0	0	0.011	0.025	0	0	0	---	---	0.005	1917
1918	---	---	0	0	0.024	0.018	0.003	0	0	0	---	---	0.008	1918
1919	---	---	E	0	0.003	0.022	0.018	0	0	0	---	---	0.008	1919
1920	---	---	0	0	0.022	0.037	0.008	0	0	0	---	---	0.008	1920
1921	---	---	E	0	0	0.036	0.023	0	0	0	---	---	0.007	1921
1922	---	---	E	0	0	0.027	0.010	0	0	0	---	---	0.005	1922
1923	---	---	E	0	0.028	0.017	0	0	0	0	---	---	0.008	1923
1924	---	---	0	0	0.043	0.021	0	0	0	0	---	---	0.008	1924
1925	---	---	E	0	0	0	0	0	0	0	---	---	0	1925
1926	---	---	0	0	0	0.026	0.008	0	0	0	---	---	0.004	1926
1927	---	---	0	0	0	0	0	0	0	0	---	---	0	1927
1928	---	---	E	0	0	0	0	0	0	0	---	---	0	1928
1929	---	---	0	0	0	0	0	0	0	0	---	---	0	1929
1930	---	---	0	0	0	0	0	0	0	0	---	---	0	1930
1931	---	---	---	---	---	---	---	---	---	---	---	---	---	1931
1938	---	---	0	0	E	0	---	---	---	---	---	---	---	1938
MEAN	---	---	0	0	0.007	0.015	0.008	0.002	0.001	0	---	---	0.004	MEAN

LOCATION - LAT 49 35 50 N
LONG 105 55 40 W
REGULATED

KOKOTT DITCH NEAR EASTEND - STATION NO. 11AC020

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1914	---	0.071 ON JUN 3	0 ON MAR 1 *	400	1914
1915	---	0 ON MAR 1	0 ON MAR 1	0	1915
1916	---	0 ON MAR 1	0 ON MAR 1	0	1916
1917	---	0.031 ON JUL 3	0 ON MAR 1	86.5	1917
1918	---	0.066 ON MAY 15	0 ON MAR 1	117	1918
1919	---	0.024 ON MAY 28	0 ON MAR 1	117	1919
1920	---	0.059 ON JUN 17	0 ON MAR 1	179	1920
1921	---	0.048 ON JUN 3	0 ON MAR 1	153	1921
1922	---	0.074 ON JUL 8 *	0 ON MAR 1	97.4	1922
1923	---	0.064 ON JUN 1	0 ON MAR 1	130	1923
1924	---	0.051 ON MAY 3	0 ON MAR 1	172	1924
1925	---	0 ON MAR 1	0 ON MAR 1	0	1925
1926	---	0.042 ON JUN 15	0 ON MAR 1	90.2	1926
1927	---	0 ON MAR 1	0 ON MAR 1	0	1927
1928	---	0 ON MAR 1	0 ON MAR 1	0	1928
1929	---	0 ON MAR 1	0 ON MAR 1	0	1929
1930	---	0 ON MAR 1	0 ON MAR 1	0	1930
1931	---	---	0 ON APR 27	---	1931
1938	---	---	0 ON MAR 1	---	1938
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		90.7	MEAN

LAKE OF THE RIVERS WEST INFLOW - STATION NO. 05JD004

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1976	---	---	1.30	0.438	0.001	0.032	0.001	0	0	0	---	---	0.222	1976
1977	---	---	0	0	0	0	0	0	0	0	---	---	0	1977
1978	---	---	0.378	0.048	0.002	0	0.011	0	0	0.196	0	---	---	0.078	1978
1979	---	---	0.184	1.47	0.230	0.021	0	0	0	0	---	---	0.231	1979
1980	---	---	0.071	0.041	0	0.002	0	0	0	0	---	---	0.014	1980
1981	---	0.031	0	0	0	E	0	0	0	0	---	---	0	1981
1982	---	---	0	1.46	0.125	E.027	0.073	0	0	0	---	---	0.267	1982
1983	---	0.017	0.838	0.184	0.010	E	0	0	0	0	---	---	0.081	1983
1984	---	0.001	0.112	0.003	0	0.378	0.014	0	0	0	---	---	0.063	1984
1985	---	---	0.034	0.008	0	E	0	0	0	0	---	---	0.005	1985
1986	---	0.138	0.264	0	0.043	E	0	0	0	0	---	---	0.038	1986
1987	---	0.001	0.004	0.003	0	E	0.025	0.105	0	0	---	---	0.017	1987
1988	---	---	0	0	0	E	0.001	0	0	0	---	---	0	1988
MEAN	---	0.039	0.218	0.281	0.032	E.035	0.010	0.006	0.018	0	---	---	0.074	MEAN

LOCATION - LAT 49 44 25 N DRAINAGE AREA, 84.2 km²
LONG 105 48 41 W NATURAL FLOW

LAKE OF THE RIVERS WEST INFLOW - STATION NO. 05JD004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1976	13.3 AT 15:00 CST ON MAR 26	7.84 ON MAR 26	0B ON MAR 1 *	4 700	1976
1977	0 B AT 00:00 CST ON MAR 1	0 B ON MAR 1	0B ON MAR 1	0	1977
1978	---	2.21 ON MAR 27	0B ON MAR 1	1 670	1978
1979	14.2 AT 04:47 CST ON APR 17	11.8 ON APR 17	0B ON MAR 1	4 800	1979
1980	1.60 AT 03:10 CST ON JUN 27	0.805 ON MAR 30	0B ON MAR 1	300	1980
1981	---	0.001 ON MAR 1	0 ON MAR 5	0.35	1981
1982	14.7 B AT 20:57 CST ON APR 14 *	13.6 B ON APR 15 *	0B ON MAR 1	4 390	1982
1983	7.65 B AT 22:04 CST ON MAR 29	4.49 ON MAR 30	0 ON APR 25	1 810	1983
1984	10.8 AT 08:52 CST ON JUN 21	7.31 ON JUN 21	0B ON MAR 7	1 330	1984
1985	0.3998 AT 19:03 CST ON MAR 11	0.1848 ON MAR 11	0 ON APR 11	105	1985
1986	---	1.36 B ON MAR 2	0 ON MAR 30	795	1986
1987	2.13 AT 08:50 CST ON AUG 1	1.46 ON AUG 1	0B ON MAR 1	367	1987
1988	1.60 AT 13:53 CST ON JUL 4	0.039A ON JUL 4	0 ON MAR 1	2.51	1988
				1 570	MEAN

A - MANUAL GAUGE B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD
(SEE REFERENCE INDEX)

LANIGAN CREEK ABOVE BOULDER LAKE - STATION NO. 05JJ003

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1958	---	---	0.011	0.090	0.040	0	0	0	0	0	---	---	E.017	1958
1959	---	---	0	0	0	0	0	0	0	0	---	---	0	1959
1960	---	---	0	0.051	0	0	0	0	0	0	---	---	0.006	1960
1961	---	---	0	0	0	0	0	0	0	0	---	---	0	1961
1962	---	---	0	0.019	0	0	0	0	0	0	---	---	0.002	1962
1963	---	---	0.001	0	0	0	0	0	0	0	---	---	0	1963
1964	---	---	0	0	0	0	0	0	0	0	---	---	0	1964
1965	---	---	0	0.002	0	0	0	0	0	0	---	---	0	1965
1966	---	---	0.005	0.002	0	0	0	0	0	0	---	---	0.001	1966
1967	---	---	0	0.008	0.802	0	0	0	0	0	---	---	0.115	1967
1968	---	---	0.012	0	0	0	0	0	0	0	---	---	0.002	1968
1969	---	---	0	1.39	0	0	0	0	0	0	---	---	0.170	1969
1970	---	---	0	E.042	0	0	0	0	0	0	---	---	0.115	1970
1971	---	---	0	0.219	0	0	0	0	0	0	---	---	0.027	1971
1972	---	---	0	3.14	2.05	0.305	0.001	0	0	0	---	---	0.680	1972
1973	---	---	0.010	0.360	0.355	0.533	0.713	0.188	0.336	0.147	---	---	0.333	1973
1974	---	---	0	E.88	3.81	1.49	0.298	0.480	0.893	0.426	---	---	1.88	1974
1975	---	---	0	1.32	3.30	0.715	0.041	0.002	0	0	---	---	0.680	1975
1976	---	---	0	3.26	0.648	0.122	0.278	0.104	0.011	0	---	---	0.533	1976
1977	---	---	0	0	0.031	0.022	0	0	0	0	---	---	0.007	1977
1978	---	---	0.013	1.84	0.387	0.036	0	0.010	0.227	0.107	---	---	0.285	1978
1979	---	---	0	E.41	4.18	0.085	0	0	0	0	---	---	1.20	1979
1980	---	---	0	2.83	E.185	0	0	0	0	0	---	---	E.345	1980
1981	---	0	0	0	0	0	0.218	0.285	0.024	0.017	---	---	E.068	1981
1982	---	---	0	0.068	E.019	0.012	0	0.170	0.088	0.010	---	---	E.044	1982
1983	---	---	0	0.733	0.871	0.088	0.124	0.080	0	0	---	---	E.230	1983
1984	---	---	0.014	0.107	0.041	0	0	0	0	0	---	---	E.020	1984
1985	---	---	E	10.2	1.51	E.581	0.260	0.018	0	0	---	---	1.54	1985
1986	---	---	0.085	0.885	0.116	E.004	0	0	0	0	---	---	0.148	1986
1987	---	---	0.008	1.24	0.112	E	0	0	0	0	---	---	0.167	1987
1988	---	---	0.061	2.87	0.088	E.002	0	0	0	0	---	---	0.334	1988
MEAN	---	0	0.005	1.36	0.589	0.129	0.063	0.041	0.044	0.023	---	---	0.278	MEAN

LOCATION - LAT 51 36 56 N DRAINAGE AREA, 2 360 km²
LONG 105 14 14 W REGULATED

LANIGAN CREEK ABOVE BOULDER LAKE - STATION NO. 05JJ003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1958	---	0.241 ON APR 3	0B ON MAR 1 *	388	1958
1959	---	0 B ON MAR 1	0B ON MAR 1	0	1959
1960	---	0.0408 ON APR 5	0B ON MAR 1	131	1960
1961	---	0 B ON MAR 1	0B ON MAR 1	0	1961
1962	---	0.4308 ON APR 17	0B ON MAR 1	48.6	1962
1963	---	0.011 ON MAR 24	0B ON MAR 1	1.88	1963
1964	---	0.0088 ON APR 11	0B ON MAR 1	1.04	1964
1965	---	0.062 ON APR 23	0B ON MAR 1	6.38	1965
1966	---	0.1308 ON MAR 31	0B ON MAR 1	20.4	1966
1967	---	3.88 ON MAY 9	0B ON MAR 1	2 440	1967
1968	---	0.1388 ON MAR 7	0B ON MAR 1	32.5	1968
1969	---	9.08 ON APR 15	0B ON MAR 1	3 800	1969
1970	---	3.28 ON APR 15	0B ON MAR 1	2 440	1970
1971	2.47 AT 09:29 CST ON APR 20	2.18 ON APR 19	0B ON MAR 1	588	1971
1972	7.76 AT 00:38 CST ON APR 30	7.53 ON APR 30	0B ON MAR 1	14 600	1972
1973	1.14 AT 08:33 CST ON JUL 7	1.10 ON JUL 8	0B ON MAR 1	7 080	1973
1974	23.3 AT 16:33 CST ON APR 22 *	23.4 ON APR 22	0B ON MAR 1	32 900	1974
1975	8.84 AT 03:49 CST ON MAY 4	8.82 ON MAY 4	0B ON MAR 1	14 000	1975
1976	8.61 AT 23:21 CST ON APR 13	8.44 ON APR 14	0B ON MAR 1	11 300	1976
1977	0.358 AT 21:47 CST ON MAY 25	0.125 ON MAY 26	0B ON MAR 1	142	1977
1978	2.83 AT 00:18 CST ON APR 10	2.44 ON APR 10	0B ON MAR 1	6 080	1978
1979	31.8 AT 20:40 CST ON APR 24	31.3 ON APR 24	0B ON MAR 1	35 400	1979
1980	8.48 ON APR 15	7.86 A ON APR 15	0B ON MAR 1	7 220	1980
1981	0.442 AT 16:25 CST ON JUL 23	0.419 ON JUL 25	0B ON MAR 1	1 400	1981
1982	0.298A ON AUG 4	0.280E ON AUG 5	0B ON MAR 1	936	1982
1983	3.20 AT 13:15 CST ON APR 28	3.10 ON APR 28	0B ON MAR 1	4 870	1983
1984	0.261 AT 13:10 CST ON APR 27	0.204 ON APR 19	0B ON MAR 1	436	1984
1985	23.1 AT 14:50 CST ON APR 17	22.7 ON APR 17 *	0B ON MAR 1	32 700	1985
1986	2.65 AT 03:34 CST ON APR 7	2.57 ON APR 7	0B ON MAR 1	3 130	1986
1987	4.30 AT 14:48 CST ON APR 12	4.13 ON APR 12	0B ON MAR 1	3 530	1987
1988	11.5 ON APR 10	11.3 E ON APR 10	0B ON MAR 1	7 070	1988
				5 680	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

LANIGAN CREEK DIVERSION TO LITTLE MANITOU LAKE - STATION NO. 05JJ004

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1959	---	---	0	0	0	0	0	0	0	0	---	---	0	1959
1960	---	---	0	0.030	0	0	0	0	0	0	---	---	0.004	1960
1961	---	---	0	0	0	0	0	0	0	0	---	---	0	1961
1962	---	---	0	0.018	0	0	0	0	0	0	---	---	0.002	1962
1963	---	---	0.004	0	0	0	0	0	0	0	---	---	0.001	1963
1964	---	---	0	0.002	0	0	0	0	0	0	---	---	0	1964
1965	---	---	0	0.015	0	0	0	0	0	0	---	---	0.002	1965
1966	---	---	0	0.338	0.084	0.013	0.002	0.003	0	0	---	---	0.052	1966
1967	---	---	0	0	0.438	0.103	0.007	0	0	0	---	---	0.088	1967
1968	---	---	0.035	0.278	0.061	0	0	0	0	0	---	---	0.043	1968
1969	---	---	0	0.881	0.338	0	0	0	0	0	---	---	0.135	1969
1970	---	---	0	0.849	0.511	0.080	0.008	0	0	0	---	---	0.156	1970
1971	---	---	0	0.818	0.436	0.074	0.112	0.127	0.078	0.026	---	---	0.183	1971
MEAN	---	---	0.002	0.218	0.133	0.022	0.010	0.010	0.006	0.002	---	---	0.050	MEAN

LOCATION - LAT 51 38 20 N
LONG 105 15 54 W REGULATED

LANIGAN CREEK DIVERSION TO LITTLE MANITOU LAKE - STATION NO. 05JJ004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1959	---	0 B ON MAR 1	0B ON MAR 1 *	0	1959
1960	---	0.1138 ON APR 6	0B ON MAR 1	78.3	1960
1961	---	0 ON MAR 1	0 ON MAR 1	0	1961
1962	---	0.1988 ON APR 16	0B ON MAR 1	47.4	1962
1963	---	0.1028 ON MAR 23	0B ON MAR 1	12.0	1963
1964	---	0.0208 ON APR 8	0B ON MAR 1	5.62	1964
1965	---	0.2248 ON APR 13	0B ON MAR 1	36.9	1965
1966	---	0.8478 ON APR 6	0B ON MAR 1	1 080	1966
1967	---	1.32 ON MAY 16	0B ON MAR 1	1 480	1967
1968	---	0.433 ON APR 16	0B ON MAR 1	912	1968
1969	---	2.28 ON APR 17	0B ON MAR 1	2 880	1969
1970	---	2.41 B ON APR 11 *	0B ON MAR 1	3 310	1970
1971	---	1.83 ON APR 26	0B ON MAR 1	2 670	1971
				1 050	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

LANIGAN CREEK NEAR HATFIELD - STATION NO. 05JJ002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1955	---	---	---	12.4	23.6	2.27	0.386	0.027	---	---	---	---	---	1955
1956	---	---	---	8.92	2.80	0.847	---	---	---	---	---	---	---	1956
MEAN	---	---	---	10.7	13.3	1.56	0.386	0.027	---	---	---	---	---	MEAN

LOCATION - LAT 51 27 00 N, LONG 105 11 00 W
DRAINAGE AREA, 7 810 km²
NATURAL FLOW
DATA CONTRIBUTED BY - PRAIRIE FARM REHABILITATION ADMINISTRATION

LANIGAN CREEK NEAR HATFIELD - STATION NO. 05JJ002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1955	---	89.7 ON MAY 4 *	0E ON AUG 10 *	---	1955
1956	---	23.8 ON APR 24	0E ON APR 1	---	1956
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

E - ESTIMATED

LANIGAN CREEK NEAR LANIGAN - STATION NO. 05JJ010

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1970	---	---	---	1.62	0.504	---	---	---	---	---	---	---	---	1970
1971	---	---	---	1.57	0.137	---	---	---	---	---	---	---	---	1971
1972	---	---	---	---	1.11	---	---	---	---	---	---	---	---	1972
1974	---	---	---	4.25	1.16	0.255	---	---	---	---	---	---	---	1974
1975	---	---	0	1.59	1.86	0.152	E.038	0.008	E.000	E.005	---	---	0.462	1975
1976	---	---	0	3.09	0.194	0.101	E.043	0.011	E.001	E.001	---	---	0.622	1976
1977	---	---	0	0.003	0.051	0.032	E.004	0.001	E.003	E.005	---	---	0.012	1977
1978	---	---	0.029	1.03	0.132	0.005	E.063	0.003	E.003	E.003	---	---	0.157	1978
1979	---	---	0	5.86	2.00	0.114	E.001	0	E	E	---	---	0.971	1979
1980	---	---	0	3.11	0.136	0	0	0	0	0	---	---	0.388	1980
1981	---	0	0	0	0	0.002	0	0	0	0	---	---	0	1981
1982	---	---	0	0.038	0.037	0.844	0.888	0.325	0.001	0	---	---	0.186	1982
1983	---	---	0	1.23	0.818	0.567	0.100	0.017	0.001	0.002	---	---	0.251	1983
1984	---	---	0.003	0.226	0.011	0.009	0	0	0	0	---	---	0.030	1984
1985	---	---	D	8.30	0.512	0.584	E.001	0	0.001	0.001	---	---	1.08	1985
1986	---	---	0.315	0.863	0.045	0.002	E.011	0.002	0.002	0.004	---	---	0.184	1986
MEAN	---	0	0.029	2.20	0.528	0.060	0.088	0.031	0.002	0.002	---	---	0.344	MEAN

LOCATION - LAT 51 50 15 N, LONG 104 58 52 W
DRAINAGE AREA, 588 km²
NATURAL FLOW

LANIGAN CREEK NEAR LANIGAN - STATION NO. 05JJ010

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1970	---	---	---	---	1970
1971	---	---	---	---	1971
1972	---	---	---	---	1972
1974	---	---	---	---	1974
1975	11.6 AT 04:46 CST ON APR 30	10.5 ON APR 30	0E ON MAR 1 *	10 200	1975
1976	14.7 AT 23:50 CST ON APR 9	13.6 ON APR 10	0E ON MAR 1	6 930	1976
1977	---	0.184A ON MAY 6	0E ON MAR 1	260	1977
1978	2.49 AT 05:33 CST ON APR 10	2.33 ON APR 10	0E ON MAR 1	3 320	1978
1979	20.5 AT 07:59 CST ON APR 28	20.0 ON APR 28	0E ON MAR 1	20 600	1979
1980	12.0 AT 02:47 CST ON APR 12	11.3 ON APR 12	0E ON MAR 1	6 430	1980
1981	0.007 AT 08:11 CST ON JUN 16	0.006 ON JUN 16	0E ON MAR 1	0.82	1981
1982	4.32 AT 14:39 CST ON JUL 20	3.76 ON JUL 21	0E ON MAR 1	3 880	1982
1983	4.06 AT 00:28 CST ON APR 22	3.86 ON APR 22	0E ON MAR 1	5 320	1983
1984	0.939 AT 01:13 CST ON APR 8	0.593 ON APR 8	0E ON MAR 1	836	1984
1985	22.6 AT 10:37 CST ON APR 12 *	22.3 ON APR 12 *	0E ON MAR 1	22 900	1985
1986	4.24 AT 12:22 CST ON APR 1	3.86 ON MAR 31	0E ON MAR 1	3 200	1986
				7 290	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

LAST MOUNTAIN CREEK NEAR CRAVEN - STATION NO. 05JH005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1968	---	---	12.1	3.41	4.56	3.25	0.845	0.358	0.586	0.233	---	---	3.19	1968
1969	-3.59	-4.18	-2.84	-38.3	-9.64	0.387	1.37	2.73	2.14	3.24	2.16	1.37	-4.60	1969
1970	1.42	-2.63	-1.36	-17.1	-18.9	5.10	2.51	3.40	5.07	5.84	8.21	3.06	-1.60	1970
1971	2.60	1.51	2.35	-33.1	-6.26	-2.03	-1.65	1.35	1.34	7.31	5.81	4.45	-3.48	1971
1973	0.430	0.845	0.701	-1.35	-3.07	-0.834	-0.541	-0.388	-0.582	1.88	1.82	0.925	-0.481	1973
1974	---	---	0	-88.3	-48.9	12.2	24.1	20.2	16.8	14.2	---	---	-8.06	1974
1975	---	---	3.80	-18.8	-35.1	5.27	5.78	11.5	10.3	7.21	---	---	-0.718	1975
1976	---	---	-1.73	-72.4	1.87	-0.868	10.5	10.5	10.5	8.58	---	---	-3.92	1976
1977	---	---	0.828	-0.618	-1.98	-1.24	-0.788	0.053	-0.030	-0.186	---	---	-0.515	1977
MEAN	0.273	-1.11	1.51	-28.4	-12.8	2.40	5.11	5.59	5.12	5.48	3.98	2.45	-2.07	MEAN

LOCATION - LAT 50 42 23 N
LONG 104 48 35 W REGULATED

LAST MOUNTAIN CREEK NEAR CRAVEN - STATION NO. 05JH005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1968	---	21.2 B ON MAR 8	0 ON SEP 22	87 500	1968
1969	---	3.89 ON OCT 29	0.481 ON OCT 5	- 102 000	1969
1970	---	5.34 ON JUN 17	-0.708 ON JUN 1	-38 000	1970
1971	---	9.12 ON OCT 18	-0.285 ON AUG 1	-73 900	1971
1973	---	4.33 ON APR 13	-0.739 ON MAR 7	-10 400	1973
1974	---	27.8 ON JUN 29 *	0 B ON MAR 1	- 129 000	1974
1975	---	16.5 ON JUN 4	2.89 B ON MAR 18	-15 200	1975
1976	---	14.0 ON OCT 14	8.09 ON OCT 25	-83 400	1976
1977	---	4.258 ON MAR 15	-0.813 ON OCT 8 *	-10 900	1977
				-43 900	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

LAWRIE CREEK NEAR INSINGER - STATION NO. 05MB012

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1964	---	---	---	0	---	---	---	---	---	---	---	---	---	1964
1966	---	---	---	0.835	---	---	---	---	---	---	---	---	---	1966
1967	---	---	---	---	0.651	---	---	---	---	---	---	---	---	1967
1969	---	---	---	0.192	0.003	---	---	---	---	---	---	---	---	1969
1970	---	---	---	0.920	0.347	---	---	---	---	---	---	---	---	1970
1971	---	---	---	1.37	---	---	---	---	---	---	---	---	---	1971
1972	---	---	0.010	1.88	0.137	---	---	---	---	---	---	---	---	1972
1973	---	---	---	---	0.158	---	---	---	---	---	---	---	---	1973
1974	---	---	---	---	1.43	---	---	---	---	---	---	---	---	1974
1975	---	---	0	2.88	0.741	0.153	0.021	0.001	0.003	0.002	---	---	0.478	1975
1976	---	---	0	3.92	0.028	1.88	0.083	0	0	0	---	---	0.612	1976
1977	---	---	0	0.008	0.011	0	0	0	0	0	---	---	0.003	1977
1978	---	---	0	0.123	0.004	0.001	0.270	0	0.007	0.005	---	---	0.051	1978
1979	---	---	0	2.08	1.28	0.088	0	0	0	0	---	---	0.432	1979
1980	---	---	0	0.418	0	0	0	0	0	0	---	---	0.051	1980
1981	---	---	0	0.001	0.001	0.025	0	0	0	0.001	---	---	0.004	1981
1982	---	---	0	0.807	0.034	0.013	0.001	0	0	0	---	---	0.117	1982
1983	---	---	0	0.808	0.250	0.076	0.488	0.008	0.001	0	---	---	0.178	1983
1984	---	---	0.027	0.080	0.008	0.004	0.002	0	0	0	---	---	0.011	1984
1985	---	---	0.007	1.78	0.042	0.017	0.001	0	0	0	---	---	0.223	1985
MEAN	---	---	0.004	0.880	0.284	0.213	0.077	0.001	0.001	0.001	---	---	0.185	MEAN

LOCATION - LAT 51 29 17 N DRAINAGE AREA, 190 km^2
LONG 103 01 10 W NATURAL FLOW

LAWRIE CREEK NEAR INSINGER - STATION NO. 05MB012

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1984	---	---	---	---	1984
1985	---	---	---	---	1985
1987	---	---	---	---	1987
1989	---	---	---	---	1989
1970	---	---	---	---	1970
1971	---	---	---	---	1971
1972	---	---	---	---	1972
1973	---	---	---	---	1973
1974	---	---	---	---	1974
1975	23.1 AT 01:57 CST ON APR 28 *	20.2 ON APR 28 *	00 ON MAR 1 *	10 100	1975
1976	21.3 AT 06:32 CST ON APR 9	20.2 ON APR 9	00 ON MAR 1	13 000	1976
1977	---	0.082 ON MAY 15	00 ON MAR 1	53.8	1977
1978	---	2.16 ON JUL 1	00 ON MAR 1	1 080	1978
1979	12.4 A AT 16:52 CST ON APR 26	10.7 ON APR 26	00 ON MAR 1	8 930	1979
1980	1.848 AT 04:30 CST ON APR 8	1.26 B ON APR 8	00 ON MAR 1	1 080	1980
1981	1.03 AT 08:43 CST ON JUN 14	0.297 ON JUN 14	00 ON MAR 1	76.3	1981
1982	8.48 AT 14:00 CST ON APR 21	3.80 ON APR 21	00 ON MAR 1	2 480	1982
1983	4.62 AT 11:48 CST ON JUL 4	3.84 ON APR 22	00 ON MAR 1	3 770	1983
1984	1.23 AT 15:43 CST ON APR 30	0.281 ON APR 30	00 ON MAR 1	234	1984
1985	4.67E AT 21:00 CST ON APR 10	4.27 E ON APR 11	00 ON MAR 1	4 730	1985
				4 140	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

LEATHER RIVER BELOW PRESBYTERIAN RIVER - STATION NO. 05KB010

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1972	---	---	---	---	---	---	---	---	---	---	---	---	---	1972
1974	---	---	0	38.8	---	---	---	---	---	---	---	---	---	1974
MEAN	---	---	0	38.8	---	---	---	---	---	---	---	---	---	MEAN

LOCATION - LAT 53 03 28 N, LONG 104 01 33 W
DRAINAGE AREA, 1 360 km^2
NATURAL FLOW

LEATHER RIVER BELOW PRESBYTERIAN RIVER - STATION NO. 05KB010

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1972	226 ON APR 23	---	---	---	1972
1974	---	---	---	---	1974
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

LEATHER RIVER NEAR STAR CITY - STATION NO. 05KB005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1967	---	---	---	---	---	---	0	0	0	0	---	---	---	1967
1968	---	---	0.602	0.441	0.071	0.106	0	0.187	0.213	0.023	---	---	0.206	1968
1969	---	---	0.008	1.83	0.014	0.001	0	0	0	0.010	---	---	0.197	1969
1970	---	---	0	2.42	0.338	0.043	0.005	0	0	0	---	---	0.356	1970
1971	---	---	0.006	2.23	0.062	0.117	0.007	0.002	0	0	---	---	0.313	1971
1972	---	---	0.015	3.89	0.428	0.001	0	0	0	0	---	---	0.544	1972
1973	---	---	0.002	0.121	0.386	1.86	3.32	0.200	0.013	0.028	---	---	0.780	1973
1974	---	---	0.008	4.72	1.28	0.391	0.037	0.081	0.041	0.081	---	---	0.818	1974
1975	---	---	0.028	2.77	1.10	0.188	0.118	0.110	0.002	0.018	---	---	0.534	1975
1976	---	---	0	1.87	0.062	0.060	0.004	0	0	0	---	---	0.287	1976
1977	---	---	0.014	0.486	0.818	0.188	0.018	0.011	0.007	0.004	---	---	0.184	1977
1978	---	---	0.001	2.65	0.171	0.002	0.020	0	0	0	---	---	0.360	1978
1979	---	---	0	3.48	1.70	0.406	0.004	0	0	0	---	---	0.592	1979
1980	---	---	0	1.87	0.001	0	0	0	0	0	---	---	0.182	1980
1981	---	---	0.009	0.193	0.047	0.001	0	0	0	0	---	---	0.043	1981
1982	---	---	0	1.08	0.113	0.001	0	0	0	0	---	---	0.152	1982
1983	---	---	0	0.771	0.187	0	0	0	0	0	---	---	0.114	1983
1984	---	---	0.010	0.382	0.338	0.368	0.081	0	0	0	---	---	0.141	1984
1985	---	---	0	4.31	0.788	0.080	0.003	0	0	0	---	---	0.598	1985
1986	---	---	0.180	1.60	0.187	0.006	0	0	0	0	---	---	0.241	1986
1987	---	---	0	0.512	0.062	0.002	0	0	0	0	---	---	0.084	1987
1988	---	---	0	2.09	0.533	0	0	0	0	0	---	---	0.290	1988
MEAN	---	---	0.048	1.88	0.388	0.193	0.173	0.028	0.013	0.007	---	---	0.333	MEAN

LOCATION - LAT 52 50 32 N, LONG 104 14 24 W
DRAINAGE AREA, 165 km^2
NATURAL FLOW

LEATHER RIVER NEAR STAR CITY - STATION NO. 05KB005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1967	---	---	0 ON JUN 8 *	---	1967
1968	---	3.40 ON AUG 28	0B ON MAR 1	4 320	1968
1969	---	7.67 B ON APR 13	0 ON JUN 7	4 160	1969
1970	---	8.55 ON APR 18	0B ON MAR 1	7 520	1970
1971	---	11.0 B ON APR 14	0E ON MAY 20	8 830	1971
1972	27.0 AT 19:45 CST ON APR 24	22.5 B ON APR 24	0E ON JUN 5	11 500	1972
1973	---	10.7 A ON JUL 28	0B ON MAR 1	15 800	1973
1974	41.3 AT 17:36 CST ON APR 19 *	30.0 ON APR 20 *	0B ON MAR 1	17 300	1974
1975	11.8 AT 19:24 CST ON APR 28	11.2 ON APR 28	0 ON JUL 25	11 300	1975
1976	---	7.19 B ON APR 6	0B ON MAR 1	5 440	1976
1977	5.71 AT 20:34 CST ON MAY 25	4.45 ON MAY 26	0 ON APR 25	4 110	1977
1978	8.89 B AT 10:23 CST ON APR 19	7.90 B ON APR 19	0 ON JUL 10	7 830	1978
1979	17.0 AT 21:53 CST ON APR 25	14.8 ON APR 25	0 ON MAR 1	14 800	1979
1980	11.5 B AT 21:13 CST ON APR 15	8.04 B ON APR 16	0B ON MAR 1	4 070	1980
1981	0.4458 AT 12:14 CST ON MAR 17	0.3338 ON MAR 31	0B ON MAR 1	800	1981
1982	7.06 B AT 13:30 CST ON APR 17	5.74 B ON APR 17	0B ON MAR 1	3 220	1982
1983	8.29 AT 18:37 CST ON APR 21	4.26 B ON APR 21	0B ON MAR 1	2 420	1983
1984	1.73 B AT 01:53 CST ON APR 5	1.41 B ON APR 6	0B ON MAR 1	2 980	1984
1985	26.5 B AT 19:35 CST ON APR 14	21.4 B ON APR 14	0B ON MAR 1	12 000	1985
1986	10.1 B AT 12:28 CST ON APR 1	8.86 B ON APR 1	0B ON MAR 1	5 080	1986
1987	3.57 AT 01:30 CST ON APR 7	3.23 ON APR 7	0B ON MAR 1	1 380	1987
1988	12.8 B AT 01:39 CST ON APR 8	11.7 B ON APR 8	0B ON MAR 1	5 500	1988
				7 050	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

LESLIE EAST DITCH NEAR COULEE - STATION NO. 11AB037

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1921	---	---	0	0	0	0.001	0.001	0	0	0	---	---	0	1921
1922	---	---	0	0	0	0	0	0	0	0	---	---	0	1922
1923	---	---	0	0	0	0.008	0	0	0	0	---	---	0.001	1923
MEAN	---	---	0	0	0	0.003	0	0	0	0	---	---	0	MEAN

LOCATION - LAT 49 37 50 N
LONG 109 45 50 W
REGULATED

LESLIE EAST DITCH NEAR COULEE - STATION NO. 11AB037

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1921	---	0.008 ON JUL 8	0 ON MAR 1 *	6.05	1921
1922	---	0.011 ON JUN 14	0 ON MAR 1	0.95	1922
1923	---	0.045E ON JUN 22 *	0 ON MAR 1	24.3	1923
				10.4	MEAN

E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

LESLIE WEST DITCH NEAR COULEE - STATION NO. 11AB038

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1920	---	---	0	0	0	0.015	0	0	0	0	---	---	0.002	1920
1921	---	---	E	0	0	0.007	0.002	0	0	0	---	---	0.001	1921
1922	---	---	0	0	0	0.005	0	0	0	0	---	---	0.001	1922
MEAN	---	---	0	0	0	0.009	0.001	0	0	0	---	---	0.001	MEAN

LOCATION - LAT 49 37 48 N
LONG 109 46 50 W
REGULATED

LESLIE WEST DITCH NEAR COULEE - STATION NO. 11AB038

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1920	---	0.031 ON JUN 11 *	0 ON MAR 1 *	38.2	1920
1921	---	0.031 ON JUN 20	0 ON MAR 1	33.3	1921
1922	---	0.010 ON JUN 28	0 ON MAR 1	13.9	1922
				28.1	MEAN

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

LEWIS CREEK NEAR IMPERIAL - STATION NO. 05JH005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1972	---	---	0.060	0.092	0.001	0	0	0	0	0	---	---	0.022	1972
1973	---	---	0.026	0.012	0.005	0.020	0	0	0	0	---	---	0.005	1973
1974	---	---	0	1.71	0.401	0.134	0	0	0	0	---	---	0.277	1974
1975	---	---	0	0.670	0.216	0.048	0.007	0	0	0	---	---	0.583	1975
1976	---	---	0	0.508	0.018	0.043	0	0	0	0	---	---	0.070	1976
1977	---	---	0	0	0	0	0	0	0	0	---	---	0	1977
1978	---	---	0.008	0.084	0.011	0.005	0	0	0	0	---	---	0.010	1978
1979	---	---	0.002	0.781	0.188	0.004	0	0	0	0	---	---	0.116	1979
1980	---	---	0.158	0.267	0	0	0	0	0	0	---	---	0.059	1980
1981	---	0.008	0.003	0	0	0	0	0	0	0	---	---	0	1981
1982	---	---	0	0.384	0.003	0	0	0	0	0	---	---	0.047	1982
1983	---	---	0	0.161	0.005	0	0	0	0	0	---	---	0.023	1983
1984	---	---	0.003	0.003	0	0	0	0	0	0	---	---	0.001	1984
1985	---	---	0.355	1.05	0.077	0	0	0	0	0	---	---	0.168	1985
1986	---	0	0.082	0.002	0	0	0	0	0	0	---	---	0.011	1986
1987	---	---	0.068	0.081	0	0	0	0	0	0	---	---	0.015	1987
1988	---	---	0	0.005	0	0	0	0	0	0	---	---	0.001	1988
MEAN	---	0.004	0.050	0.329	0.053	0.015	0	0	0	0	---	---	0.065	MEAN

LOCATION - LAT 51 19 02 N DRAINAGE AREA, 372 km²
LONG 106 22 53 W NATURAL FLOW

LEWIS CREEK NEAR IMPERIAL - STATION NO. 05JH005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1972	0.838 AT 11:00 CST ON MAR 23	0.841 ON MAR 23	0.0 ON MAR 1 *	456	1972
1973	0.2808 AT 16:32 CST ON MAR 19	0.144 ON MAR 26	0.0 ON MAR 1	167	1973
1974	17.7 B AT 10:36 CST ON APR 16 *	12.6 B ON APR 16 *	0.0 ON MAR 1	5 880	1974
1975	2.72 AT 17:10 CST ON APR 17	2.42 ON APR 17	0.0 ON MAR 1	1 980	1975
1976	3.76 AT 11:50 CST ON APR 8	3.26 ON APR 8	0.0 ON MAR 1	1 430	1976
1977	0 AT 00:00 CST ON MAR 1	0 ON MAR 1	0.0 ON MAR 1	0	1977
1978	0.6808 AT 11:03 CST ON APR 2	0.4808 ON APR 2	0.0 ON MAR 1	208	1978
1979	5.98 AT 18:51 CST ON APR 17	4.67 ON APR 18	0.0 ON MAR 1	2 440	1979
1980	8.48 B AT 11:10 CST ON MAR 31	3.68 B ON MAR 31	0.0 ON MAR 1	1 250	1980
1981	---	0.0278 ON MAR 1	0.0 ON MAR 8	8.29	1981
1982	7.85 B AT 11:40 CST ON APR 13	3.51 ON APR 14	0.0 ON MAR 1	1 000	1982
1983	1.24 B AT 13:22 CST ON APR 5	0.5558 ON APR 5	0.0 ON MAR 1	482	1983
1984	0.0678 AT 00:11 CST ON MAR 30	0.0558 ON MAR 30	0 ON MAR 1	15.7	1984
1985	13.0 B AT 12:08 CST ON MAR 21	5.39 B ON APR 2	0.0 ON MAR 1	3 880	1985
1986	0.8598 AT 16:20 CST ON MAR 4	0.6448 ON MAR 4	0 ON APR 5	226	1986
1987	0.880 AT 18:47 CST ON APR 2	0.8838 ON APR 2	0.0 ON MAR 1	316	1987
1988	0.084 AT 02:13 CST ON APR 11	0.081 ON APR 11	0.0 ON MAR 1	13.8	1988
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		1 170	MEAN

LEWIS DITCH AT KLINTONEL - STATION NO. 05NB013

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1919	---	---	---	---	---	---	0.006	0.005	---	---	---	---	---	1919
1920	---	---	---	---	---	---	0.006	---	---	---	---	---	---	1920
MEAN	---	---	---	---	---	---	0.006	0.005	---	---	---	---	---	MEAN

LOCATION - LAT 49 41 42 N
LONG 109 54 53 W REGULATED

LIGHTNING CREEK NEAR CARNDUFF - STATION NO. 05NF008

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1938	---	---	---	---	0.037	0.001	---	---	---	---	---	---	---	1938
1972	---	---	---	---	---	---	---	---	---	0.038	---	---	---	1972
1974	---	---	0.014	0.56	0.854	0.138	0.024	0.001	0	0.092	---	---	0.834	1974
1975	---	---	0	4.84	2.48	1.47	0.055	0.005	0.845	0.301	---	---	1.22	1975
1976	---	---	0.003	16.3	0.731	0.539	0.018	0.001	0.001	0.003	---	---	2.41	1976
1977	---	---	0.004	0.001	0.013	0.001	0	0	0	0	---	---	0.002	1977
1978	---	---	0.013	0.050	0.008	0.002	0.001	0	0	0	---	---	0.010	1978
1979	---	---	0	2.23	0.290	0.032	0.002	0.002	0	0	---	---	0.316	1979
1980	---	---	0	0.011	0.001	0	0	0	0	0	---	---	0.002	1980
1981	---	---	0.042	0.002	0.001	0	0	0	0	0	---	---	0.006	1981
1982	---	---	0	1.66	0.015	0.001	0	0	0	0	---	---	0.220	1982
1983	---	---	0	2.14	0.113	0.007	0.016	0	0	0.001	---	---	0.278	1983
1984	---	---	0.023	0.008	0.008	0.001	0	0	0	0	---	---	0.006	1984
1985	---	---	0.977	0.472	0.017	0.001	0	1.26	0.730	0.364	---	---	0.478	1985
1986	---	0.004	1.20	0.358	0.678	0.012	0.292	0.053	0.006	0.012	---	---	0.387	1986
1987	---	---	1.96	1.92	0.020	0.002	0	0	0	0	---	---	0.350	1987
1988	---	---	0	0	0.001	0	0	0	0	0	---	---	0	1988
MEAN	---	0.004	0.221	2.59	0.346	0.136	0.027	0.060	0.060	0.048	---	---	0.442	MEAN

LOCATION - LAT 49 13 17 W DRAINAGE AREA, 740 km²
LONG 101 43 06 W NATURAL FLOW

LIGHTNING CREEK NEAR CARNDUFF - STATION NO. 05NF005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1938	---	---	---	---	1938
1973	---	---	0 ON AUG 16 *	---	1973
1974	30.0 B AT 17:29 CST ON APR 17	28.1 B ON APR 17	0 ON JUL 30	18 800	1974
1975	24.4 AT 00:34 CST ON APR 30	23.1 ON APR 30	0 B ON MAR 1	25 800	1975
1976	48.8 AT 19:54 CST ON APR 10 *	44.7 ON APR 11 *	0 ON JUL 29	51 000	1976
1977	---	0.088E ON MAY 10	0 B ON MAR 1	50.5	1977
1978	---	0.8008 ON APR 1	0 B ON MAR 1	215	1978
1979	16.2 B AT 23:36 CST ON APR 20	13.5 B ON APR 21	0 B ON MAR 1	8 880	1979
1980	0.044B AT 00:10 CST ON APR 8	0.034B ON APR 8	0 B ON MAR 1	31.8	1980
1981	---	0.300B ON MAR 1	0 ON MAY 19	119	1981
1982	21.8 B AT 02:36 CST ON APR 14	17.3 B ON APR 14	0 B ON MAR 1	4 850	1982
1983	8.57 AT 03:26 CST ON APR 24	5.46 ON APR 23	0 B ON MAR 1	5 810	1983
1984	0.271B AT 17:51 CST ON MAR 23	0.216B ON MAR 23	0 B ON MAR 1	113	1984
1985	8.48 B AT 12:42 CST ON MAR 15	3.71 ON AUG 25	0 B ON MAR 1	10 100	1985
1986	4.16 B AT 17:15 CST ON MAR 3	3.84 ON MAY 10	0.082 ON SEP 6	7 770	1986
1987	7.13 AT 12:55 CST ON APR 6	6.87 ON APR 6	0 B ON MAR 1	7 810	1987
1988	0.014 AT 11:35 CST ON MAY 3	0.008 ON MAY 3	0 B ON MAR 1	3.84	1988
	B - ICE CONDITIONS E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		9 350	MEAN

LILIAN RIVER NEAR LADY LAKE - STATION NO. 05MC003

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1965	---	---	---	1.33	1.76	2.07	0.523	0.181	0.227	0.208	0.227	---	---	1965
1966	---	---	---	---	1.28	0.843	---	---	---	---	---	---	---	1966
1967	---	---	---	0.888	---	---	---	---	---	---	---	---	---	1967
1969	---	---	---	---	0.072	0.057	0.021	0.004	0.006	0.058	---	---	---	1969
1970	---	---	0.010	1.47	1.04	0.343	0.282	0.060	0.055	0.120	---	---	0.417	1970
1971	---	---	0.003	4.18	0.564	0.346	0.148	0.049	0.006	0.018	---	---	0.853	1971
1972	---	---	0.013	4.71	2.66	0.215	0.125	0.023	0.027	0.047	---	---	0.972	1972
1973	---	---	0.120	0.788	0.228	0.257	0.034	0.011	0.018	0.017	---	---	0.178	1973
1974	---	---	0	2.61	1.86	1.22	0.079	0.050	0.072	0.085	---	---	0.714	1974
1975	---	---	0.014	2.50	1.13	0.901	0.180	0.081	0.141	0.122	---	---	0.825	1975
1976	---	---	0.012	4.89	0.388	1.89	0.474	0.089	0.018	0.068	---	---	0.838	1976
1977	---	---	0.017	0.937	0.108	0.041	0.040	0.037	0.057	0.035	---	---	0.157	1977
1978	---	---	0.005	1.46	0.134	0.022	0.072	0.032	0.038	0.031	---	---	0.224	1978
1979	---	---	0	3.40	1.91	0.395	0.068	0.023	0.032	0.078	---	---	0.733	1979
1980	---	---	0.021	1.09	0.068	0.028	0.027	0.026	0.048	0.068	---	---	0.171	1980
1981	---	---	0.288	0.514	0.087	0.068	0.025	0.058	0.035	0.176	---	---	0.148	1981
1982	---	---	0.038	0.730	0.058	0.108	0.042	0.032	0.022	0.058	---	---	0.132	1982
1983	---	---	0.015	1.59	0.588	0.429	0.518	0.065	0.006	0.037	---	---	0.418	1983
1984	---	---	0.148	1.12	0.306	0.481	0.031	0.021	0.012	0.098	---	---	0.271	1984
1985	---	---	0.002	2.52	0.388	0.112	0.023	0.023	0.017	0.048	---	---	0.366	1985
1986	---	---	0.048	1.80	0.194	0.083	0.107	0.038	0.020	0.027	0.033	---	0.268	1986
1987	---	---	0.032	1.73	0.124	0.082	0.106	0.063	0.023	0.040	---	---	0.266	1987
1988	---	---	0.038	2.26	0.548	0.052	0.018	0.010	0.008	0.027	---	---	0.385	1988
MEAN	---	---	0.038	2.02	0.700	0.448	0.140	0.045	0.047	0.071	0.130	---	0.424	MEAN

LOCATION - LAT 52 01 22 N DRAINAGE AREA, 229 km^2
LONG 102 37 30 W NATURAL FLOW

LILIAN RIVER NEAR LADY LAKE - STATION NO. 05MC003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1965	---	---	---	---	1965
1966	---	---	---	---	1966
1967	---	---	---	---	1967
1969	---	---	---	---	1969
1970	---	5.60 ON APR 25	0 B ON MAR 1 *	5 830	1970
1971	---	25.0 ON APR 17 *	0 B ON MAR 1	13 800	1971
1972	23.8 ON APR 25 *	23.1 ON APR 25	0.003B ON MAR 1	20 600	1972
1973	---	2.17B ON APR 6	0 B ON MAR 1	3 780	1973
1974	---	12.0 B ON APR 21	0 B ON MAR 1	15 100	1974
1975	16.1 AT 14:26 CST ON APR 23	13.4 ON APR 24	0.003 ON AUG 19	13 200	1975
1976	21.3 AT 15:32 CST ON APR 12	20.3 ON APR 12	0.003 ON SEP 17	15 800	1976
1977	5.24B AT 16:46 CST ON APR 13	4.79B ON APR 14	0.012 ON AUG 24	3 320	1977
1978	8.37B AT 14:32 CST ON APR 19	8.35B ON APR 19	0 B ON MAR 1	6 740	1978
1979	16.4 B AT 13:50 CST ON APR 25	17.0 B ON APR 25	0 B ON MAR 1	15 500	1979
1980	6.90 AT 01:46 CST ON APR 15	6.43 ON APR 15	0.001 ON JUN 19	3 820	1980
1981	---	1.50B ON APR 4	0.005 ON JUL 13	3 100	1981
1982	3.92B AT 21:40 CST ON APR 16	3.27B ON APR 17	0.008B ON APR 2	2 780	1982
1983	13.1 B AT 10:58 CST ON APR 24	12.6 B ON APR 24	0.001 ON SEP 7	6 780	1983
1984	3.68B AT 08:24 CST ON APR 4	3.35B ON APR 4	0.003 ON SEP 8	1 740	1984
1985	8.17B AT 10:58 CST ON APR 15	8.57B ON APR 15	0.001B ON MAR 1	6 170	1985
1986	6.67B AT --:36 CST ON APR 7	5.79B ON APR 7	0.003B ON MAR 1	6 060	1986
1987	12.6 AT 12:02 CST ON APR 7	11.9 B ON APR 7	0.007 ON OCT 2	5 880	1987
1988	10.8 B AT 02:37 CST ON APR 8	9.83B ON APR 8	0 B ON MAR 1	7 720	1988
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		6 970	MEAN

LINDNER BROS. DITCH NEAR BATTLE CREEK - STATION NO. 11AB012

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1910	---	---	---	---	---	---	---	0.002	---	---	---	---	---	1910
1911	---	---	0	0	0.021	0.028	0.010	0.001	0	0	---	---	0.006	1911
1912	---	---	0	0.017	0.038	0.078	0.083	0	0	0	---	---	0.027	1912
1913	---	---	0	0.005	0.106	0.119	0.142	0.003	0	0	---	---	0.047	1913
1914	---	---	0	0.006	0.067	0.019	0.023	0	0	0	---	---	0.014	1914
1915	---	---	0	0.088	0	0.011	0.038	0	0	0	---	---	0.014	1915
1916	---	---	0	0.038	0.035	0	0.013	0	0	0	---	---	0.011	1916
1917	---	---	0	0	0.044	0.084	0.057	0	0	0	---	---	0.018	1917
1918	---	---	0	0.042	0.038	0.072	0.058	0	0	0	---	---	0.026	1918
1919	---	---	0	0.036	0.036	0.012	0.008	0	0	0	---	---	0.011	1919
1920	---	---	0	0	0	0.081	0.035	0	0	0	---	---	0.011	1920
1921	---	---	0	0.042	0.007	0.019	0.060	0	0	0	---	---	0.016	1921
1922	---	---	0	0	0	0.090	0.021	0.002	0	0	---	---	0.014	1922
1923	---	---	0	0.013	0.073	0.035	0.007	0	0	0	---	---	0.016	1923
1924	---	---	0	0	0.008	0.017	0.010	0	0	0	---	---	0.004	1924
1925	---	---	0	0	0	0.021	0.018	0	0	0	---	---	0.005	1925
1926	---	---	0	0.001	0.044	0.068	0.003	0	0	0	---	---	0.014	1926
1927	---	---	0	0	0	0	0	0	0	0	---	---	0	1927
1928	---	---	---	---	---	---	---	---	---	---	---	---	---	1928
1929	---	---	0	0	0	0	0.025	0	0	0	---	---	0.003	1929
1930	---	---	0	0	0.008	0.076	0.013	0	0	0	---	---	0.012	1930
1931	---	---	0	0	0.045	0.029	0	0	0	0	---	---	0.008	1931
MEAN	---	---	0	0.013	0.029	0.040	0.031	0	0	0	---	---	0.014	MEAN

LOCATION - LAT 49 27 24 N
LONG 109 50 24 W REGULATED

LINDNER BROS. DITCH NEAR BATTLE CREEK - STATION NO. 11AB012

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1910	---	---	---	---	1910
1911	---	0.081 ON MAY 15	0E ON MAR 1 *	180	1911
1912	---	0.235 ON APR 28	0E ON MAR 1	575	1912
1913	---	0.269 ON JUN 18	0E ON MAR 1	958	1913
1914	---	0.190 ON MAY 5	0E ON MAR 1	304	1914
1915	---	0.183 ON APR 13	0E ON MAR 1	302	1915
1916	---	0.275 ON MAY 6	0E ON MAR 1	225	1916
1917	---	0.368 ON MAY 16 *	0E ON MAR 1	410	1917
1918	---	0.221 ON APR 23	0E ON MAR 1	548	1918
1919	---	0.224 ON APR 19	0E ON MAR 1	240	1919
1920	---	0.204 ON JUN 17	0E ON MAR 1	227	1920
1921	---	0.184 ON APR 18	0E ON MAR 1	337	1921
1922	---	0.227 ON JUN 3	0E ON MAR 1	293	1922
1923	---	0.170 ON MAY 15	0E ON MAR 1	338	1923
1924	---	0.048 ON MAY 31	0E ON MAR 1	95.0	1924
1925	---	0.074 ON JUN 10	0E ON MAR 1	105	1925
1926	---	0.229 ON MAY 5	0E ON MAR 1	300	1926
1927	---	0.008 ON JUL 12	0E ON MAR 1	0.52	1927
1928	---	---	0 ON APR 12	---	1928
1929	---	0.130 ON JUL 6	0E ON MAR 1	66.1	1929
1930	---	0.181 ON MAY 31	0E ON MAR 1	255	1930
1931	---	0.127 ON MAY 23	0E ON MAR 1	186	1931
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		209	MEAN

E - ESTIMATED

LITTLE BOGGY CREEK NEAR COTE - STATION NO. 05MD005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1957	---	---	0	2.48	1.25	0.391	0.203	0.088	0.040	0.085	---	---	0.580	1957
1958	---	---	0.039	0.437	E.316	0.215	0.185	0.118	E.246	E.386	---	---	0.238	1958
1959	---	---	0.672	0.846	E.385	0.390	0.202	0.227	E.333	E.429	---	---	0.449	1959
1960	---	---	0.046	2.28	0.730	0.569	0.183	0.071	0.068	0.103	---	---	0.501	1960
1961	---	---	0.088	0.248	0.280	0.120	0.046	0.005	0.004	0.034	---	---	0.100	1961
1962	---	---	0.018	1.05	0.455	0.218	0.078	0.058	0.070	0.083	---	---	0.261	1962
1963	---	---	0.823	0.474	0.309	0.258	0.550	0.136	0.125	0.176	---	---	0.370	1963
1964	---	---	0	0.851	0.375	0.138	0.150	0.125	0.118	0.187	---	---	0.214	1964
1965	---	---	0.025	1.36	0.493	0.364	0.186	0.086	0.158	0.284	---	---	0.365	1965
1966	---	---	0.049	1.58	0.483	0.826	0.231	0.186	0.083	0.087	---	---	0.412	1966
1967	---	---	0	0.786	0.700	0.186	0.074	0.043	0.027	0.075	---	---	0.237	1967
1968	---	---	0.184	0.869	0.228	0.172	0.227	0.170	0.111	0.189	---	---	0.240	1968
1969	---	---	0	0.871	0.237	0.064	0.088	0.080	0.101	0.172	---	---	0.202	1969
1970	---	---	0	0.877	E.485	0.081	0.242	0.029	E.068	E.283	---	---	0.267	1970
1971	---	---	0.084	2.08	0.269	0.072	0.234	0.132	E.026	E.134	---	---	0.376	1971
1972	---	---	0.030	2.34	E.423	0.055	0.084	0.042	E.063	E.118	---	---	0.387	1972
1973	---	---	0.242	0.433	E.237	0.718	0.113	0.102	E.104	E.103	---	---	0.264	1973
1956	---	---	---	---	---	---	---	---	---	---	---	---	---	1956
1960	---	---	---	---	---	---	---	---	---	---	---	---	---	1960
1966	---	---	---	---	---	---	---	---	---	---	---	---	---	1966
1968	---	---	---	---	---	---	---	---	---	---	---	---	---	1968
1970	---	---	---	---	---	---	---	---	---	---	---	---	---	1970
1971	---	---	---	---	---	---	---	---	---	---	---	---	---	1971
1972	---	---	---	---	---	---	---	---	---	---	---	---	---	1972
1984	---	---	---	---	---	---	---	---	---	---	---	---	---	1984
MEAN	---	---	0.139	1.15	0.480	0.273	0.178	0.100	0.108	0.186	---	---	0.318	MEAN

LOCATION - LAT 51 31 02 N DRAINAGE AREA, 248 km²
LONG 101 46 57 W NATURAL FLOW

LITTLE BOGGY CREEK NEAR COTE - STATION NO. 05MD005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1957	---	6.16 ON APR 20	0 B ON MAR 1 *	11 600	1957
1958	---	0.880 ON APR 19	0 B ON MAR 1	4 850	1958
1959	---	6.13 A ON MAR 30	0 B ON MAR 1	9 510	1959
1960	---	7.50 ON APR 14	0.026A ON AUG 15	10 500	1960
1961	---	0.881A ON APR 20	0 ON AUG 17	2 130	1961
1962	---	5.36 B ON APR 21	0.006 ON AUG 22	5 300	1962
1963	---	2.67 A ON JUL 11	0.011B ON MAR 1	7 830	1963
1964	---	1.66 B ON APR 11	0 B ON MAR 1	4 850	1964
1965	---	5.45 B ON APR 12	0 B ON MAR 1	7 730	1965
1966	---	3.85 ON APR 13	0 B ON MAR 1	8 720	1966
1967	---	2.71 B ON APR 29	0 B ON MAR 1	5 030	1967
1968	---	1.60 ON APR 8	0.084B ON MAR 21	5 080	1968
1969	---	2.86 B ON APR 14	0 B ON MAR 1	4 260	1969
1970	---	2.21 B ON APR 19	0 B ON MAR 1	5 430	1970
1971	---	10.4 B ON APR 11 *	0 ON JUN 3	7 980	1971
1972	---	6.80 ON APR 21	0 B ON MAR 27	8 180	1972
1973	---	3.08 E ON JUN 4	0 B ON MAR 1	5 360	1973
1956	---	---	---	---	1956
1960	---	---	---	---	1960
1966	---	---	---	---	1966
1968	---	---	---	---	1968
1970	---	---	---	---	1970
1971	---	---	---	---	1971
1972	---	---	---	---	1972
1984	1.87 AT 15:41 CST ON MAR 21	---	---	---	1984
1956	0.706 AT 16:00 CST ON APR 19	---	---	---	1956
1960	9.85 AT 11:30 CST ON APR 14	---	---	---	1960
1966	4.02 AT 15:00 CST ON APR 14	---	---	---	1966
1968	1.68 AT 12:45 CST ON APR 9	---	---	---	1968
1970	2.87 AT 14:00 CST ON APR 19	---	---	---	1970
1971	10.6 B AT 06:35 CST ON APR 11 *	---	---	---	1971
1972	7.65 AT 08:40 CST ON APR 21	---	---	---	1972
MEAN				6 740	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

LITTLE BREED CREEK NEAR BUZZARD'S RANCH - STATION NO. 11AC026

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1914	---	---	0.004	0.376	0	0.050	0	0.002	0.002	0.013	---	---	---	1914
1915	---	---	---	0.347	0.068	---	0	0	0	0	---	---	---	1915
1916	---	---	---	2.65	0.457	0.074	0	0	0	0	---	---	---	1916
MEAN	---	---	0.004	1.08	0.171	0.062	0	0.001	0.001	0.004	---	---	---	MEAN

LOCATION - LAT 49 08 45 N DRAINAGE AREA, 159 km²
LONG 107 22 30 W NATURAL FLOW

LITTLE BREED CREEK NEAR BUZZARD'S RANCH - STATION NO. 11AC028

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1914	---	---	---	---	1914
1915	---	---	0 ON APR 15 *	---	1915
1916	---	19.7 ON MAR 28 *	0E ON JUN 25	---	1916
MEAN				---	MEAN

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

E - ESTIMATED

LITTLE BRIDGE CREEK NEAR ARMLEY - STATION NO. 05KB005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1973	---	---	---	0.730	---	1.47	---	---	---	---	---	---	---	1973
1974	---	---	-	4.07	1.34	1.38	---	---	---	---	---	---	---	1974
1975	---	-	0	1.71	0.598	0.138	0	0	0	0	---	---	0.291	1975
1976	---	---	0	0.567	0.003	0	0	0	0	0	---	---	0.070	1976
1977	---	---	0	0.002	0	0	0	0	0	0	---	---	0	1977
1978	---	---	0	1.53	0.197	0	0	0	0	0	---	---	0.213	1978
1979	---	---	0	3.32	1.23	0.241	0.083	0	0	0	---	---	0.803	1979
1980	---	---	0	0.873	0.071	0	0	0	0	0	---	---	0.123	1980
1981	---	---	0.021	0.078	0.004	0	0	0	0	0	---	---	0.005	1981
1982	---	---	0	0.890	0.091	0.128	0.027	0	0	0	---	---	0.152	1982
1983	---	---	0	0.950	0.325	0.002	0	0	0	0	---	---	0.158	1983
1984	---	---	0	0.888	0.304	0.248	0.008	0	0	0	---	---	0.178	1984
1985	---	---	0	2.85	0.091	0.038	0.098	0	0	0	---	---	0.390	1985
1986	---	---	0.085	0.685	0.185	0.003	0	0	0	0	---	---	0.113	1986
1987	---	---	0	0.381	0.001	0	0	0	0	0	---	---	0.047	1987
1988	---	---	0	1.20	0.017	0	0	0	0	0	---	---	0.150	1988
MEAN	---	---	0.005	1.31	0.291	0.227	0.018	0	0	0	---	---	0.178	MEAN

LOCATION - LAT 53 09 26 N
LONG 104 10 17 W

DRAINAGE AREA, 87.0 km^2
NATURAL FLOW

LITTLE BRIDGE CREEK NEAR ARMLEY - STATION NO. 05KB005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1973	---	---	---	---	1973
1974	---	---	---	---	1974
1975	---	8.51 ON APR 26	0B ON MAR 1 *	6 150	1975
1976	---	3.77 B ON APR 8	0B ON MAR 1	1 460	1976
1977	---	0.014 ON APR 12	0B ON MAR 1	4.87	1977
1978	---	8.48 B ON APR 19	0B ON MAR 1	4 600	1978
1979	---	16.5 A ON APR 24	0B ON MAR 1	12 800	1979
1980	8.178 AT 20:45 CST ON APR 14	7.04 ON APR 15	0B ON MAR 1	2 610	1980
1981	---	0.0808 ON MAR 17	0B ON MAR 1	118	1981
1982	8.398 AT 02:19 CST ON APR 17	8.44 B ON APR 17	0B ON MAR 1	3 210	1982
1983	11.5 AT 21:16 CST ON APR 21	7.68 B ON APR 21	0B ON MAR 1	3 340	1983
1984	7.77 AT 20:40 CST ON APR 8	4.73 B ON APR 8	0B ON MAR 1	3 800	1984
1985	20.0 B AT 00:16 CST ON APR 14 *	18.1 B ON APR 14 *	0B ON MAR 1	8 250	1985
1986	---	3.41 B ON APR 1	0B ON MAR 1	2 380	1986
1987	4.52 AT 00:05 CST ON APR 8	3.37 B ON APR 7	0B ON MAR 1	890	1987
1988	14.8 B AT 21:24 CST ON APR 13	10.5 B ON APR 13	0B ON MAR 1	3 160	1988
MEAN				3 770	MEAN

A - MANUAL GAUGE
(SEE REFERENCE INDEX)

B - ICE CONDITIONS

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

LODGE CREEK AT INTERNATIONAL BOUNDARY - STATION NO. 11AB006

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1910	---	---	---	---	0.020	0	0	0	0	0	---	---	---	1910
1911	---	---	1.85	3.08	0.425	0.582	0.886	0	4.19	0.040	---	---	1.37	1911
1912	---	---	0.003	20.1	0.750	0.466	0.007	0	0	0	---	---	2.81	1912
1913	---	---	0.031	15.6	0.586	0.052	0.072	0.005	0	0	---	---	2.04	1913
1914	---	---	1.70	3.49	0.162	0.002	0	0	0	0.513	---	---	0.726	1914
1915	---	---	---	7.37	0.282	0.387	1.90	0.701	0.042	0.008	---	---	---	1915
1916	---	---	---	1.57	1.01	3.81	3.78	0.353	0.248	0.188	---	---	---	1916
1917	---	---	0	23.8	8.44	0.321	0.003	0	0	0	---	---	3.76	1917
1918	---	---	8.71	18.2	0.881	0.114	0	0	0	0	---	---	3.33	1918
1919	---	---	0	3.54	0.206	0.008	0	0	0	0	---	---	0.460	1919
1920	---	---	0.280	8.03	2.85	1.37	0.148	0	0	0	---	---	1.28	1920
1921	---	---	0.803	7.28	2.53	0.286	0.028	0	0	0	0	---	1.35	1921
1922	---	---	0	19.0	2.85	0.065	0.078	0.001	0	0	---	---	2.71	1922
1923	---	---	0.403	3.74	0.178	2.57	1.82	0.108	0.001	0	---	---	1.10	1923
1924	---	---	0	1.17	0.043	0.800	0.003	0	0	0	---	---	0.268	1924
1925	---	---	8.71	11.7	0.372	1.11	0	0	0.020	0.003	---	---	2.67	1925
1926	---	---	3.86	0.547	0.010	0	0.171	0	0	0	---	---	0.580	1926
1927	---	---	4.86	15.1	15.8	1.96	0.670	0.025	0	0	---	---	4.76	1927
1928	---	---	10.3	8.75	0.834	0.176	0.273	0.056	0	0	---	---	2.27	1928
1929	---	---	0.552	3.99	3.22	0.112	0.001	0	0	0	---	---	0.978	1929
1930	---	2.26	3.66	3.67	0.075	0.001	0.003	0	0	0	---	---	0.851	1930
1931	---	---	0	0.026	0	0.038	0.145	0.017	0	0	---	---	0.026	1931
1932	---	0.550	2.30	2.08	0.158	0.120	0	0	0	0	---	---	0.577	1932
1933	---	---	2.76	1.14	1.20	0.276	0.472	0.007	0	0	---	---	0.735	1933
1934	---	1.84	4.35	1.25	0.013	0.177	0	0	0	0	---	---	0.726	1934
1935	---	---	3.63	3.89	0.182	0.003	0.034	0	0	0	---	---	0.873	1935
1936	---	---	0	5.80	0.122	0	0	0	0	0	---	---	0.726	1936
1937	0	0	0.177	7.19	0.056	0.011	0	0	0	0	---	---	0.811	1937
1938	---	---	4.26	3.42	0.337	0.304	0.769	0	1.26	0	---	---	1.29	1938
1939	---	---	11.4	1.08	0.080	0.729	0.140	0	0	0	---	---	1.88	1939
1940	---	---	0	18.6	1.86	0.221	0.173	0.283	0.200	0.054	---	---	2.80	1940
1941	---	---	8.63	0.356	0.016	0.510	0.572	0	0	0	---	---	1.02	1941
1942	---	---	0.221	1.22	0.006	3.10	0.333	0	0	0.026	---	---	0.604	1942
1943	---	---	12.6	3.88	0.050	0.015	0.141	0	0.016	0.001	---	---	2.10	1943
1944	---	---	0.030	0.396	0.007	0.078	0.742	0	0	0	---	---	0.156	1944
1945	---	---	3.54	0.111	0.003	0	0	0	0	0	---	---	0.492	1945
1946	---	---	3.58	0.711	0.004	0.037	0	0	0	0	---	---	0.545	1946
1947	---	---	4.05	4.78	0.152	0.052	0	0	0	0	---	---	1.12	1947
1948	---	---	0.015	7.22	1.70	0.093	0	0	0	0	---	---	1.11	1948
1949	---	---	0	0.147	0.020	0.001	0	0	0	0	---	---	0.021	1949
1950	---	---	0	5.14	0.048	0	E	E	0	0	---	---	0.835	1950
1951	---	---	0	9.41	4.73	0.786	0.070	2.15	1.33	0.101	---	---	2.30	1951
MEAN	0	1.11	2.80	6.23	1.18	0.483	0.323	0.088	0.174	0.023	0	---	1.37	MEAN

LOCATION - LAT 49 01 00 N, LONG 109 45 00 W DRAINAGE AREA, 1 970 km² NATURAL FLOW INTERNATIONAL GAUGING STATION

LODGE CREEK AT INTERNATIONAL BOUNDARY - STATION NO. 11AB006

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY (m^3/s)	DISCHARGE	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1910	---	---		OE ON JUN 1 *	---	1910
1911	---	47.3 ON	SEP 7	0 ON MAR 1	28 000	1911
1912	---	82.8 ON	APR 5	0 ON MAR 1	85 300	1912
1913	---	38.1 ON	APR 12	OB ON MAR 1	43 200	1913
1914	---	15.7 ON	MAR 15	OE ON MAR 1	15 400	1914
1915	---	39.6 ON	APR 4	0 ON AUG 19	---	1915
1916	---	---		---	---	1916
1917	---	58.5 3 ON	APR 10	OB ON MAR 1	78 700	1917
1918	---	76.6 8 ON	MAR 31	OB ON MAR 1	70 530	1918
1919	---	8.57A ON	APR 20	0 ON MAR 1	9 740	1919
1920	---	14.7 A ON	JUN 18	OB ON MAR 1	27 300	1920
1921	---	30.3 ON	APR 18	OB ON MAR 1	28 900	1921
1922	---	47.3 8 ON	APR 8	OB ON MAR 1	57 300	1922
1923	---	36.4 ON	JUN 22	OB ON MAR 1	23 300	1923
1924	---	13.6 ON	JUN 8	OB ON MAR 1	5 480	1924
1925	---	41.9 ON	APR 24	OB ON MAR 1	52 200	1925
1926	---	12.7 B ON	MAR 2	0 ON MAY 24	12 500	1926
1927	---	84.4 ON	MAY 23	OB ON MAR 1	101 000	1927
1928	---	79.3 B ON	MAR 24	OB ON MAR 1	48 000	1928
1929	---	26.2 ON	MAY 1	0 ON MAR 1	20 700	1929
1930	---	22.6 9 ON	MAR 12	0 ON JUN 11	20 100	1930
1931	---	2.38 ON	JUL 1	0 ON MAR 1	803	1931
1932	---	15.5 ON	APR 3	0 ON JUL 1	12 200	1932
1933	---	11.0 B ON	MAR 20	OB ON MAR 1	15 800	1933
1934	---	5 498 ON	MAR 11	OA ON MAY 20	15 400	1934
1935	---	20.7 ON	MAR 16	0 ON MAR 1	20 800	1935
1936	---	31.1 B ON	APR 11	OB ON MAR 1	15 300	1936
1937	---	47.6 ON	APR 10	0 ON MAR 1	19 300	1937
1938	---	30.0 B ON	MAR 28	OB ON MAR 1	27 300	1938
1939	---	87.1 ON	MAR 23	0 ON MAR 1	35 700	1939
1940	---	63.8 ON	APR 19	0 ON MAR 1	85 000	1940
1941	---	58.0 B ON	MAR 20	OB ON MAR 1	21 800	1941
1942	---	40.5 ON	JUN 27	0 ON MAR 1	12 800	1942
1943	---	121 ON	MAR 30 *	0 ON MAR 1	44 800	1943
1944	---	12.5 ON	JUL 6	OB ON MAR 1	3 320	1944
1945	---	18.7 B ON	MAR 20	0 ON MAR 1	9 720	1945
1946	---	8.84 ON	MAR 29	0 ON MAY 11	11 500	1946
1947	---	25.3 ON	MAR 29	0 ON MAR 1	23 700	1947
1948	---	23.4 ON	APR 18	0 ON MAR 1	23 500	1948
1949	---	1.32 ON	APR 6	0 ON MAR 1	438	1949
1950	---	25.1 ON	APR 14	0 ON MAR 1	13 400	1950
1951	---	40.5 ON	AUG 31	OB ON MAR 1	48 800	1951
MEAN					29 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

LODGE CREEK BELOW MCRAE CREEK AT INTERNATIONAL BOUNDARY - STATION NO. 11AB083

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1952	---	---	0.041	53.8	2.25	0.245	0.358	0.008	0	0	---	---	5.95	1952
1953	---	---	0	1.35	4.02	4.85	0.043	0.002	0	0	---	---	1.28	1953
1954	---	0	0	2.32	0.198	0.361	0.003	0	0	0.031	---	---	0.360	1954
1955	---	---	0.442	16.1	4.77	0.421	4.82	0.056	0	0.023	---	---	3.58	1955
1956	---	---	0.328	3.41	0.847	0.092	1.23	0.064	0.007	0.002	---	---	0.743	1956
1957	---	---	0.512	7.59	1.13	0.172	0.001	0	0	0	---	---	1.18	1957
1958	---	---	2.18	13.8	0.145	0.035	0	0	0	0	---	---	1.88	1958
1959	---	---	2.85	7.34	0.983	0.126	0.026	0	0	0	---	---	0.975	1959
1960	---	---	5.85	1.63	2.87	0.352	0.013	0	0	0	---	---	1.38	1960
1961	---	---	0.168	0.151	0.068	0.013	0	0	0	0	---	---	0.048	1961
1962	---	---	0.351	0.710	0.031	5.99	0.105	0.077	0.002	0	---	---	0.568	1962
1963	---	---	0.289	0.351	0.015	0	1.72	0.035	0	0	---	---	0.364	1963
1964	---	---	0	0.853	0.839	0.255	0.002	0	0	0	---	---	0.242	1964
1965	---	---	0	12.7	3.14	8.32	3.46	0.056	0.350	0.005	---	---	3.24	1965
1966	---	---	8.91	3.81	0.324	0.147	0.073	0.004	0.072	0.039	---	---	1.43	1966
1967	---	---	0.319	12.5	14.2	0.750	0.072	0.013	0	0	---	---	2.48	1967
1968	---	---	0.088	0.688	0.183	0.163	0.004	0	0	0	---	---	0.136	1968
1969	---	---	0	7.60	0.140	0.095	0.005	0	0	0	---	---	0.986	1969
1970	---	---	0	2.23	1.40	0.248	0.131	0	0	0	---	---	0.782	1970
1971	---	---	0.006	3.83	0.784	0.255	0	0.011	0.023	0	---	---	0.818	1971
1972	---	---	3.85	0.504	0.127	0.474	0.015	0.034	0	0	---	---	0.842	1972
1973	---	---	0.173	0.046	0.117	0.040	0.301	0	0	0	---	---	0.050	1973
1974	---	---	0.440	2.08	2.22	0.532	0.027	0.201	0	0	---	---	0.885	1974
1975	---	---	0	4.31	5.38	3.14	0.200	0.088	0.003	0	---	---	1.83	1975
1976	---	---	5.15	2.31	0.187	0.017	0.070	0	0.021	0	---	---	1.06	1976
1977	---	---	0.014	0.078	0.233	0.012	0	0	0	0	---	---	0.042	1977
1978	---	---	0	7.13	1.18	0.151	0.007	0	0.132	0.003	---	---	1.06	1978
1979	---	---	5.40	4.26	1.42	0.180	0.011	0.023	0	0.041	---	---	1.44	1979
1980	---	---	0.005	0.023	1.82	0.048	0	0	0	0	---	---	0.074	1980
1981	---	---	0.024	0.004	0.063	0.048	0.026	0.001	0	0	---	---	0.012	1981
1982	---	---	0	5.26	1.18	2.11	0.058	0	0	0	---	---	1.08	1982
1983	---	---	0.139	0.144	0.015	0.338	0.177	0.001	0.121	0.006	---	---	0.117	1983
1984	---	---	0	0.129	0.100	0	0	0	0	0	---	---	0.228	1984
1985	---	---	0.232	1.58	1.51	0.302	0.180	0	0	0.003	---	---	0.471	1985
1986	---	0.563	8.23	0.334	1.26	0.088	0.271	0.003	19.2	1.48	---	---	3.55	1986
1987	---	---	5.72	1.81	0.232	0.057	0.001	0	0	0.152	---	---	0.978	1987
1988	---	---	0.003	0.409	0.032	0.080	0.005	0	0	0	---	---	0.065	1988
MEAN	---	0.272	1.31	4.69	1.46	0.828	0.328	0.021	0.541	0.062	---	---	1.17	MEAN

LOCATION - LAT 49 00 18 N, LONG 109 43 02 W
DRAINAGE AREA, 2 140 km^2
REGULATED
INTERNATIONAL GAUGING STATION

LODGE CREEK BELOW MCRAE CREEK AT INTERNATIONAL BOUNDARY - STATION NO. 11AB063

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1952	158 ON APR 13	140 ON APR 14	0B ON MAR 1 *	147 000	1952
1953	55.2 AT 08:00 MST ON JUN 4	52.7 ON JUN 5	0B ON MAR 1	27 200	1953
1954	17.8 AT 20:00 MST ON APR 8	10.4 ON APR 8	0 ON MAR 1	7 820	1954
1955	84.9 AT 16:30 MST ON APR 19	83.1 ON APR 19	0 ON AUG 27	75 400	1955
1956	18.3 AT 05:30 MST ON JUL 4	11.8 ON JUL 4	0B ON MAR 1	15 700	1956
1957	22.5 B AT 17:00 MST ON APR 5	17.7 B ON APR 5	0B ON MAR 1	24 500	1957
1958	77.0 B AT 23:00 MST ON APR 5	68.5 B ON APR 5	0 ON JUN 27	42 100	1958
1959	20.0 B AT 21:10 MST ON MAR 26	17.6 B ON MAR 26	0B ON MAR 1	14 300	1959
1960	26.3 AT 01:00 MST ON MAR 24	26.0 ON MAR 23	0B ON MAR 1	29 500	1960
1961	3.79 AT 08:30 MST ON APR 25	2.32 ON APR 25	0B ON MAR 1	1 030	1961
1962	220 AT 10:00 MST ON JUN 14	129 ON JUN 14	0 ON MAR 1	18 800	1962
1963	8.24 AT 02:00 MST ON JUL 8	5.58 ON JUL 7	0B ON MAR 1	7 500	1963
1964	2.83 AT 13:00 MST ON MAY 15	2.21 ON MAY 3	0 ON MAR 1	5 130	1964
1965	93.2 AT 04:00 MST ON JUN 27	74.2 ON JUN 27	0B ON MAR 1	86 100	1965
1966	55.2 AT 19:30 MST ON MAR 30	50.1 ON MAR 30	0B ON MAR 1	30 200	1966
1967	80.8 AT 19:00 MST ON APR 26	53.5 ON MAY 6	0 ON JUL 21	73 200	1967
1968	1.81 AT 09:00 MST ON APR 15	1.73 ON APR 28	0 ON MAR 1	2 550	1968
1969	64.9 AT 17:30 MST ON APR 7	46.4 ON APR 8	0B ON MAR 1	20 800	1969
1970	10.8 AT 20:00 MST ON APR 12	8.87 ON APR 12	0 ON MAR 1	15 100	1970
1971	13.0 AT 21:00 CST ON APR 17	11.8 ON APR 17	0 ON MAR 1	13 100	1971
1972	40.5 B AT 06:30 MST ON MAR 19	30.6 B ON MAR 19	0 ON MAR 1	13 800	1972
1973	0.8788 AT 08:00 MST ON MAR 13	0.5558 ON MAR 13	0 ON MAR 1	1 080	1973
1974	11.0 AT 05:00 CST ON MAY 22	7.93 ON MAY 22	0 ON JUL 16	14 500	1974
1975	35.4 AT 08:54 CST ON MAY 8	31.7 ON MAY 8	0B ON MAR 1	34 500	1975
1976	36.8 B AT 16:00 CST ON MAR 20	26.1 B ON MAR 21	0 ON AUG 1	22 300	1976
1977	1.08 AT 04:30 CST ON MAY 17	0.906 ON MAY 17	0 ON MAR 1	880	1977
1978	33.4 AT 20:40 CST ON APR 5	30.3 ON APR 5	0B ON MAR 1	22 400	1978
1979	28.5 B AT 21:00 CST ON MAR 19	24.7 B ON MAR 19	0B ON MAR 1	30 500	1979
1980	0.502 AT 06:00 CST ON MAY 15	0.445 ON MAY 15	0 ON MAR 1	713	1980
1981	0.525 AT 23:30 CST ON JUN 1	0.441 ON JUN 2	0 ON APR 21	407	1981
1982	32.5 AT 10:30 CST ON APR 25	31.1 ON APR 25	0B ON MAR 1	22 400	1982
1983	1.53 AT 19:00 CST ON JUN 3	1.52 ON JUN 3	0 ON MAR 1	2 480	1983
1984	0.707 AT 12:00 CST ON APR 15	0.703 ON APR 16	0 ON MAR 1	801	1984
1985	4.84 AT 01:00 CST ON JUL 19	3.15 ON JUL 19	0 ON MAR 1	9 880	1985
1986	220 AT 19:00 CST ON SEP 25 *	220 ON SEP 25 *	0 ON JUL 10	75 100	1986
1987	38.0 B AT 16:20 CST ON MAR 7	32.0 B ON MAR 7	0 ON JUL 15	20 700	1987
1988	0.972 AT 17:00 CST ON APR 28	0.965A ON APR 28	0A ON MAR 1	1 370	1988
				24 700	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

LODGE CREEK BELOW SPANGLER PROJECT - STATION NO. 11AB068

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1980	---	---	---	---	---	---	0	0	0	0	---	---	---	1980
1981	---	---	0	0	0	0	0	0	0	0	---	---	---	1981
1982	---	---	0.058	0.382	0	2.01	0.015	0.112	0	0	---	---	---	1982
1983	---	---	0.278	0.499	0	0	1.26	0.014	0	0	---	---	---	1983
1984	---	---	0	1.04	0.676	0.202	0	0	0	0	---	---	---	1984
1985	---	---	0	9.78	1.49	5.96	1.56	0.087	0.311	0.062	---	---	---	1985
1986	---	---	5.64	2.22	0.166	0.032	0.092	0.008	0.068	0	---	---	---	1986
MEAN	---	---	0.980	2.32	0.388	1.37	0.418	0.033	0.067	0.008	---	---	---	MEAN

LOCATION - LAT 49 05 50 N LONG 109 50 00 W DRAINAGE AREA, 1 060 km^2 REGULATED

LODGE CREEK BELOW SPANGLER PROJECT - STATION NO. 11AB068

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1980	---	---	---	---	1980
1981	0 AT 00:00 MST ON MAR 1	---	0 ON JUL 1 *	---	1981
1982	91.2 AT 03:00 MST ON JUN 14 *	---	---	---	1982
1983	4.11 AT 24:00 MST ON JUL 30	---	---	---	1983
1984	2.03 AT 07:00 MST ON MAY 3	---	---	---	1984
1985	85.1 AT 23:00 MST ON JUN 28	---	---	---	1985
1986	---	---	---	---	1986
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

LODGE CREEK NEAR ALBERTA BOUNDARY - STATION NO. 11AB062

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1951	---	---	0	9.34	3.87	0.632	0.031	2.25	0.411	0.176	---	---	2.08	1951
1952	---	---	0	36.3	1.40	0.032	0.018	0	0	0	---	---	4.83	1952
1953	---	---	0.086	2.51	3.44	4.43	0.027	0	0	0	---	---	1.30	1953
1954	---	---	0	1.68	0.327	0.200	0.048	0.032	0.011	0.005	---	---	0.263	1954
1955	---	---	0.320	10.7	4.68	0.343	4.37	0.015	0.230	0	---	---	2.57	1955
1956	---	---	0.181	2.85	0.852	0.031	0.613	0.462	0.012	0.127	---	---	0.807	1956
1957	---	---	0.156	6.12	1.03	0.040	0.252	0.310	0.012	0.133	---	---	0.993	1957
1958	---	---	0.430	10.8	0.126	0.005	0.078	0.348	0.002	0	---	---	1.43	1958
1959	---	---	1.97	2.03	0.030	0.004	0.008	0	0	0	---	---	0.503	1959
1960	---	---	4.96	0.920	1.12	0.040	0	0	0	0	---	---	0.689	1960
1961	---	---	0.410	0.003	0.101	0.089	0.149	0	0	0	---	---	0.092	1961
1962	---	---	1.02	0.484	0	0.456	0.189	0	0	0	---	---	0.268	1962
1963	---	---	1.01	0.496	0.002	0.180	2.27	0	0	0	---	---	0.500	1963
1964	---	---	0.235	1.44	1.11	0.003	0	0	0	0	---	---	0.347	1964
1965	---	---	0	11.9	1.51	5.09	1.07	0.005	0.117	0.021	---	---	2.43	1965
1966	---	---	5.03	2.16	0.381	0.265	0.040	0	0	0	---	---	0.987	1966
1967	---	---	0.028	8.14	10.0	0.752	0.102	0.085	0.001	0.002	---	---	2.51	1967
1968	---	---	0.508	0.244	0.251	0.052	0	0	0	0	---	---	0.132	1968
1969	---	---	0	6.88	0.182	0	0	0	0	0	---	---	0.867	1969
1970	---	---	0	4.06	2.04	0.678	0.153	0	0	0	---	---	0.857	1970
1971	---	---	0	5.13	0.501	0.288	0	0	0	0	---	---	0.726	1971
1972	---	---	4.32	0.256	0.013	0.178	0.005	0	0	0	---	---	0.803	1972
1973	---	---	0.179	0.220	0.188	0.203	0	0	0	0	---	---	0.086	1973
1974	---	---	0.016	3.44	1.40	0.237	0.002	0	0	0	---	---	0.838	1974
1975	---	---	0	4.03	4.25	2.48	0.057	0.003	0.001	0	---	---	1.34	1975
1976	---	0.287	4.70	2.01	0.057	0.197	0.020	0	0	0	---	---	0.874	1976
1977	---	---	0.003	0.071	0.002	0	0	0	0	0	---	---	0.008	1977
1978	---	---	0.093	5.75	0.806	0.033	0.360	0	0.083	0.001	---	---	0.881	1978
1979	---	---	3.85	3.83	1.18	0.044	0.002	0	0	0	---	---	1.10	1979
1980	---	---	0	0.285	0.002	0.001	0	0	0	0	---	---	0.033	1980
1981	---	---	0.094	0.001	0.078	0.072	0	0	0	0	---	---	0.021	1981
1982	---	---	0	5.57	1.55	2.00	0.005	0	0	0	---	---	1.12	1982
1983	---	---	0.267	0.281	0.755	0.006	0.300	0.005	0	0	---	---	0.178	1983
1984	---	---	0.017	0.258	0.006	0	0	0	0	0	---	---	0.036	1984
1985	---	---	0.639	3.24	1.23	0.086	0	0	0.058	0.007	---	---	0.877	1985
1986	---	3.36	3.93	0.233	1.18	0.100	0.001	0	8.36	0.782	---	---	1.83	1986
1987	---	0.536	6.56	1.70	0.088	0.017	0.231	0.017	0.005	0.003	---	---	1.10	1987
1988	---	---	0.087	0.561	0.021	0	0	0	0	0	---	---	0.061	1988
MEAN	---	1.39	1.08	4.12	1.20	0.507	0.274	0.093	0.272	0.033	---	---	0.940	MEAN

LOCATION - LAT 49 13 10 N, LONG 109 59 05 W. DRAINAGE AREA, 906 km². NATURAL FLOW

LODGE CREEK NEAR ALBERTA BOUNDARY - STATION NO. 11AB062

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1951	---	45.0 ON AUG 30	0.0 ON MAR 1 *	44 100	1951
1952	137 AT 10:00 MST ON APR 16	110 ON APR 16	0.0 ON MAR 1	86 000	1952
1953	73.1 AT 16:00 MST ON JUN 3	43.3 ON JUN 3	0.0 ON MAR 1	27 800	1953
1954	---	5.66 B ON APR 7	0.0 ON MAR 1	5 880	1954
1955	84.6 AT 12:00 MST ON JUL 13	46.3 ON JUL 13	0.0 ON MAR 1	54 400	1955
1956	9.17 AT 01:00 MST ON APR 11	6.60 ON APR 11	0.0 ON MAR 1	12 600	1956
1957	19.3 B AT 02:00 MST ON APR 6	15.6 B ON APR 6	0.0 ON MAR 1	21 100	1957
1958	78.6 AT 08:00 MST ON APR 5	58.2 ON APR 5	0 ON JUN 4	30 200	1958
1959	16.2 B AT 02:00 MST ON MAR 26	11.6 B ON MAR 27	0.0 ON MAR 1	10 600	1959
1960	21.5 B AT 01:00 MST ON MAR 23	17.2 B ON MAR 23	0.0 ON MAR 1	16 600	1960
1961	4.67 AT 07:30 MST ON MAR 16	2.48 ON MAR 16	0.0 ON MAR 1	1 950	1961
1962	21.1 AT 06:00 MST ON JUN 14	10.4 ON JUN 14	0.0 ON MAR 1	5 870	1962
1963	33.7 AT 10:30 MST ON JUL 5	26.8 ON JUL 5	0 ON MAY 13	10 500	1963
1964	9.17 AT 15:00 MST ON MAY 9	7.85 ON MAY 9	0.0 ON MAR 1	7 350	1964
1965	67.4 AT 01:00 MST ON JUN 24	56.6 B ON APR 15	0.0 ON MAR 1	51 400	1965
1966	43.0 AT 01:00 MST ON MAR 30	34.8 ON MAR 28	0.0 ON MAR 1	20 900	1966
1967	47.0 AT 01:00 MST ON MAY 8	38.2 ON MAY 7	0.0 ON MAR 1	53 200	1967
1968	3.20 AT 07:30 MST ON MAR 6	2.13 ON MAR 6	0 ON JUL 1	2 600	1968
1969	44.2 AT 00:40 MST ON APR 7	41.8 ON APR 7	0 ON MAR 1	18 400	1969
1970	22.6 AT 05:00 MST ON APR 6	18.4 ON APR 6	0 ON MAR* 1	18 100	1970
1971	20.9 AT 04:04 CST ON APR 10	16.2 B ON APR 9	0.0 ON MAR 1	15 400	1971
1972	37.7 B AT 08:16 CST ON MAR 17	34.5 B ON MAR 17	0.0 ON MAR 1	12 800	1972
1973	2.86 AT 18:10 CST ON JUN 18	2.01 ON JUN 20	0.0 ON MAR 1	2 030	1973
1974	11.1 AT 05:26 CST ON MAY 23	7.86 ON APR 6	0.0 ON MAR 1	13 400	1974
1975	31.7 AT 08:27 CST ON JUN 21	25.5 ON MAY 7	0.0 ON MAR 1	28 400	1975
1976	43.0 B AT 03:44 CST ON MAR 19	32.3 B ON MAR 19	0 ON JUL 21	18 600	1976
1977	1.76 AT 20:12 CST ON APR 7	0.821 ON APR 6	0 ON APR 16	184	1977
1978	35.7 AT 13:16 CST ON JUL 8	17.1 ON APR 6	0.0 ON MAR 1	18 600	1978
1979	14.0 AT 20:48 CST ON APR 19	13.8 ON APR 19	0.0 ON MAR 1	23 300	1979
1980	1.36 B AT 12:51 CST ON APR 8	0.8858 ON APR 8	0.0 ON MAR 1	884	1980
1981	2.66 AT 17:18 CST ON JUN 16	0.933 ON JUN 17	0 ON APR 17	857	1981
1982	36.3 AT 18:54 CST ON APR 24	33.8 ON APR 24	0.0 ON MAR 1	23 700	1982
1983	5.70 AT 06:18 CST ON JUL 22	3.20 ON JUL 22	0.0 ON MAR 1	3 780	1983
1984	0.945 AT 21:18 CST ON APR 8	0.710 ON APR 9	0.0 ON MAR 1	733	1984
1985	8.95 AT 00:28 CST ON APR 4	8.37 ON APR 3	0.0 ON MAR 1	14 300	1985
1986	177 AT 00:37 CST ON SEP 26 *	119 ON SEP 26 *	0 ON JUL 6	40 800	1986
1987	34.3 B AT 19:30 CST ON MAR 7	29.6 B ON MAR 7	0 ON JUL 4	23 200	1987
1988	5.17 AT 05:12 CST ON APR 5	3.47 ON APR 5	0.0 ON MAR 1	1 710	1988
				18 800	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

LOISELLE CREEK NEAR HUDSON BAY - STATION NO. 05LB004

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1956	---	---	---	0.840	0.829	---	---	---	---	---	---	---	---	1956
1957	---	---	---	8.27	0.081	---	---	---	---	---	---	---	---	1957
1958	---	---	0.035	0.291	---	---	---	---	---	---	---	---	---	1958
1959	---	---	0.171	0.812	---	---	---	---	---	---	---	---	---	1959
1960	---	---	---	3.81	0.023	---	---	---	---	---	---	---	---	1960
1961	---	---	---	0.148	---	---	---	---	---	---	---	---	---	1961
1962	---	---	---	2.84	0.033	---	---	---	---	---	---	---	---	1962
1963	---	---	0.010	0.408	---	---	---	---	---	---	---	---	---	1963
1964	---	---	0	0.133	0.081	0	0	0	0	0	---	---	0.026	1964
1965	---	---	0	0.508	0.027	0.158	0.080	0.122	0.022	0.014	---	---	0.114	1965
1966	---	---	0.001	2.18	0.084	0.167	1.13	0.010	0.047	0.005	---	---	0.466	1966
1967	---	---	0	0.261	2.17	0.018	0.001	0	0	0	---	---	0.306	1967
1968	---	---	0.213	0.161	0.002	0.007	0.002	0.001	0	0.001	---	---	0.048	1968
1969	---	---	0	1.09	0.001	0	0.003	0	0	0.004	---	---	0.134	1969
1970	---	---	0	0.633	0.431	0.001	0.104	0	0	0.012	---	---	0.147	1970
1971	---	---	0	2.23	0.012	0	0	0	0	0	---	---	0.274	1971
1972	---	---	0	2.50	0.102	0	0	0	0	0	---	---	0.320	1972
1973	---	---	0.006	0.320	0.013	0.075	0.018	0	0	0	---	---	0.053	1973
1974	---	---	0	1.82	0.710	0.212	0.001	0	0	0	---	---	0.314	1974
1975	---	---	0	0.887	0.087	0	0	0	0.087	0.001	---	---	0.137	1975
1976	---	---	0	0.692	0.039	0.800	0.047	0	0	0	---	---	0.188	1976
1977	---	---	0	0.148	0	0	0	0	0	0	---	---	0.016	1977
1978	---	---	0.00	1.65	0.032	0.002	0.001	0	0.001	0	---	---	0.233	1978
1979	---	---	0	2.13	0.418	0.180	0	0	0	0	---	---	0.336	1979
1980	---	---	0	0.277	0.001	0	0	0	0	0	---	---	0.034	1980
1981	---	---	0.055	0.070	0.001	0.002	0	0	0	0	---	---	0.018	1981
1982	---	---	0	0.218	0.008	0.005	0	0	0	0	---	---	0.028	1982
1983	---	---	0	1.02	0.304	0.032	0.153	0	0	0	---	---	0.188	1983
1984	---	---	0	0.808	0.571	0.223	0	0	0	0	---	---	0.211	1984
1985	---	---	0	1.39	0.011	0	0	0	0	0	---	---	0.158	1985
1986	---	---	0.025	1.15	0.082	0	0	0	0	0	---	---	0.153	1986
1987	---	---	0	0.824	0	0	0	0	0	0.037	---	---	0.098	1987
1988	---	---	0	1.74	0.084	0	0	0	0	0	---	---	0.218	1988
MEAN	---	---	0.018	1.21	0.213	0.087	0.062	0.005	0.006	0.003	---	---	0.168	MEAN

LOCATION - LAT 53 47 51 N
LONG 102 22 14 W

DRAINAGE AREA, 181 km²
NATURAL FLOW

LOISELLE CREEK NEAR HUDSON BAY - STATION NO. 05LB004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1956	---	---	---	---	1956
1957	---	---	---	---	1957
1958	---	---	0 ON MAR 1 *	---	1958
1959	---	---	0 ON MAR 1	---	1959
1960	---	---	0E ON APR 1	---	1960
1961	---	---	0 ON APR 1	---	1961
1962	---	---	0E ON APR 1	---	1962
1963	---	---	0 ON MAR 1	---	1963
1964	---	0.589 ON MAY 12	0 ON MAR 1	550	1964
1965	---	3.36 ON APR 14	0E ON MAR 1	3 420	1965
1966	---	10.7 ON APR 13	0E ON MAR 1	8 440	1966
1967	---	8.03 ON MAY 3	0E ON MAR 1	6 630	1967
1968	---	1.83 B ON MAR 28	0E ON MAR 1	1 020	1968
1969	---	8.84 B ON APR 13	0E ON MAR 1	3 640	1969
1970	---	3.26 ON MAY 4	0E ON MAR 1	3 100	1970
1971	---	7.88 B ON APR 13	0E ON MAR 1	8 610	1971
1972	18.3 AT 02:43 CST ON APR 24	18.3 ON APR 24 *	0E ON MAR 1	8 760	1972
1973	---	1.16 ON APR 4	0E ON MAR 1	1 130	1973
1974	---	15.8 ON APR 21	0E ON MAR 1	8 640	1974
1975	6.30 AT 09:36 CST ON APR 22	7.82 ON APR 22	0E ON MAR 1	3 680	1975
1976	---	3.56 ON APR 8	0E ON MAR 1	3 570	1976
1977	---	1.11 ON APR 13	0E ON MAR 1	366	1977
1978	---	8.76 ON APR 18	0E ON MAR 1	4 930	1978
1979	18.5 AT 23:50 CST ON APR 21 *	18.1 ON APR 22	0E ON MAR 1	7 110	1979
1980	0.882 AT 06:50 CST ON APR 5	0.774 ON APR 5	0E ON MAR 1	721	1980
1981	0.282 AT 18:48 CST ON MAR 16	0.248 ON APR 8	0E ON MAR 1	327	1981
1982	1.16 AT 20:36 CST ON APR 16	1.10 ON APR 16	0E ON MAR 1	566	1982
1983	8.44 AT 11:30 CST ON APR 22	7.82 ON APR 22	0E ON MAR 1	3 950	1983
1984	4.30 AT 17:19 CST ON APR 3	3.63 ON APR 4	0E ON MAR 1	4 470	1984
1985	8.09 AT 02:12 CST ON APR 11	6.72 ON APR 11	0E ON MAR 1	3 270	1985
1986	5.62 B AT 23:42 CST ON APR 8	4.88 ON APR 7	0E ON MAR 1	3 210	1986
1987	6.27 B AT 18:16 CST ON APR 8	5.36 B ON APR 7	0E ON MAR 1	1 460	1987
1988	10.3 AT 12:15 CST ON APR 13	9.07 ON APR 13	0E ON MAR 1	4 640	1988
				3 520	MEAN

B - ICE CONDITIONS
E - ESTIMATED

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

LONEPINE CREEK AT HEWITT'S RANCH - STATION NO. 11AC007

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1909	---	---	---	---	---	---	---	0.026	0.022	0.028	---	---	---	1909
1910	---	---	---	0.048	0.034	0.021	0.012	0.017	0.025	0.028	---	---	0.022	1910
1911	---	---	---	---	0.067	0.048	0.028	0.030	0.047	0.057	---	---	0.051	1911
1912	---	---	---	---	0.078	0.048	0.045	0.044	0.024	0.030	---	---	0.045	1912
1913	---	---	---	---	0.058	0.028	0.030	0.018	0.018	0.027	---	---	0.030	1913
1914	---	---	---	---	0.034	0.015	0.012	0.012	0.030	0.025	---	---	0.020	1914
MEAN	---	---	---	0.048	0.060	0.032	0.025	0.024	0.028	0.032	---	---	0.034	MEAN

LOCATION - LAT 48 35 18 N
LONG 109 27 38 W
DRAINAGE AREA, 8.58 km²
NATURAL FLOW

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1911, 1913-14

LONEPINE CREEK AT HEWITT'S RANCH - STATION NO. 11AC007

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1909	---	---	---	---	1909
1910	---	0.070 ON MAY 15	0.007 ON MAY 25	368	1910
1911	---	0.227 ON JUN 26 *	0.008 ON JUN 17 *	812	1911
1912	---	0.130 ON JUL 9	0.015 ON JUL 4	708	1912
1913	---	0.083 ON MAY 15	0.007E ON SEP 5	474	1913
1914	---	0.051 ON SEP 13	0.008E ON AUG 1	312	1914
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		533	MEAN

E - ESTIMATED

LONG CREEK AT EASTERN CROSSING OF INTERNATIONAL BOUNDARY - STATION NO. 05NB013

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1959	0	0	1.32	0.089	0	0.828	0.551	0	0	0.348	0.013	0	0.242	1959
MEAN	0	0	1.32	0.089	0	0.828	0.551	0	0	0.348	0.013	0	0.242	MEAN

LOCATION - LAT 48 01 05 N
LONG 103 03 37 W
DRAINAGE AREA, 4 510 km²
REGULATED
INTERNATIONAL GAUGING STATION

LONG CREEK AT EASTERN CROSSING OF INTERNATIONAL BOUNDARY - STATION NO. 05NB013

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1959	---	10.8 ON JUN 30 *	0 ON JAN 1 *	7 630	1959
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		7 630	MEAN

LONG CREEK AT WESTERN CROSSING OF INTERNATIONAL BOUNDARY - STATION NO. 05NA003

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1959	0	0	0.264	0.019	0	0.663	0.258	0	0	0	0	0	0.118	1959
1960	0	0	5.68	4.86	0.148	0.229	0.038	0	0	0	0	0	1.00	1960
1961	0	0	0.041	0	0	0	0	0	0	0	0	0	0.003	1961
1962	0	0	0.290	1.05	0.005	0.002	0	0	0	0	0	0	0.111	1962
1963	0	0	0.366	0.184	0.003	3.28	0.137	0.945	0.285	0.016	0.005	0.001	0.432	1963
1964	0	0	0	3.89	0.282	0.233	0.068	0	0	0	0	0	0.349	1964
1965	0	0	0	5.42	8.01	4.44	1.46	0.255	0.208	0.188	0.053	0.018	1.88	1965
1966	0	0	3.89	0.943	0.422	0.038	0.032	0	0	0	0	0	0.447	1966
1967	0	0	1.20	3.48	3.57	0.232	0	0	0	0	0	0	0.712	1967
1968	0	0	0.013	0.001	0	0	0	0.011	0.387	0.003	0.003	0	0.033	1968
1969	0	0	0	28.4	1.23	0.064	0.887	0.204	0.010	0	0	0	2.38	1969
1970	0	0	0.317	4.43	16.4	1.07	0.086	0	0	0	0	0	1.88	1970
1971	0	0.001	0.330	4.33	0.182	0.022	5.31	0.311	0	0.016	0.001	0	0.879	1971
1972	0	0	10.5	1.48	0.853	4.91	0.311	0.087	0	0	0.005	0.001	1.63	1972
1973	0	0	0.097	0.120	0.154	0.085	0	0	0	0	0	0	0.038	1973
1974	0	0	0.484	20.5	1.74	0.584	0.470	0.002	0	0	0	0	1.86	1974
1975	0	0	0.014	17.6	7.80	0.635	0.026	0	0.035	0.043	0.032	0.022	2.20	1975
1976	0.004	0	11.2	27.7	0.885	10.2	1.26	0.088	0.003	0	0	0	4.25	1976
1977	0	0.001	0.085	0.103	0.382	0.045	0	0	0	0	0	0	0.049	1977
1978	0	0	5.35	4.90	0.484	0.253	11.7	0.748	1.74	0.712	0.118	0.023	2.18	1978
1979	0	0	0.858	29.8	11.4	0.762	0.080	0.005	0	0	0	0	3.58	1979
1980	0	0	0.280	0.879	0.025	0	0	0	0	0	0	0	0.080	1980
1981	0	0.750	0.080	0	0	0	0	0	0	0	0	0	0.083	1981
1982	0	0	0	17.2	1.30	0.107	0.032	0.002	0	0	0	0	1.54	1982
1983	0	0	0.928	12.3	1.08	0.184	0.109	0.012	0	0	0	0	1.21	1983
1984	0	0	0.035	0.038	0.005	0	0	0	0	0	0	0	0.008	1984
1985	0	0	1.00	0.040	0	0	0	0	0	0	0	0	0.089	1985
1986	0	0.138	1.41	0.080	0.580	0.018	0.114	0.287	0.001	0.001	0.002	0.005	0.222	1986
1987	0.005	0.004	0.788	2.33	0.083	0.001	0	0.003	0	0	0	0	0.258	1987
1988	0	0	0	0	0	0	0	0	0	0	0	0	0	1988
MEAN	0	0.030	1.54	5.32	1.80	0.948	0.740	0.088	0.088	0.033	0.007	0.002	0.875	MEAN

LOCATION - LAT 49 00 01 N
LONG 103 21 08 W

DRAINAGE AREA, 3 210 km²
REGULATED

INTERNATIONAL GAUGING STATION

LONG CREEK AT WESTERN CROSSING OF INTERNATIONAL BOUNDARY - STATION NO. 05NA003

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1959	---	11.3 E ON JUN 30	0E ON JAN 1 *	3 740	1959
1960	---	37.7 E ON MAR 27	0 ON JAN 1	31 700	1960
1961	---	0.278 ON MAR 17	0 ON JAN 1	109	1961
1962	---	3.96 A ON APR 5	0 ON JAN 1	3 520	1962
1963	19.8 AT 15:00 CST ON JUN 8	18.3 ON JUN 8	0 ON JAN 1	13 800	1963
1964	16.7 E AT 14:00 CST ON APR 4	13.6 E ON APR 4	0 ON JAN 1	11 000	1964
1965	23.1 AT 16:00 CST ON APR 18	22.8 ON APR 18	0 ON JAN 1	82 800	1965
1966	---	20.7 E ON MAR 18	0E ON JAN 1	14 100	1966
1967	13.8 AT 17:00 CST ON MAY 8	13.3 ON MAY 8	0 ON JAN 1	22 400	1967
1968	1.46 AT 12:00 CST ON SEP 4	1.44 ON SEP 4	0E ON JAN 1	1 030	1968
1969	112 E AT 04:36 CST ON APR 10	98.7 E ON APR 10	0E ON JAN 1	74 300	1969
1970	52.1 AT 18:56 CST ON MAY 7	48.6 ON MAY 7	0E ON JAN 1	59 100	1970
1971	24.2 E AT 08:06 CST ON APR 9	18.4 E ON APR 9	0E ON JAN 1	27 700	1971
1972	54.6 AT 15:42 CST ON JUN 10	46.7 ON JUN 10	0E ON JAN 1	48 200	1972
1973	0.286 AT 07:33 CST ON MAY 2	0.281 ON MAY 1	0E ON JAN 1	1 210	1973
1974	46.7 AT 14:14 CST ON APR 19	46.2 ON APR 19	0E ON JAN 1	81 800	1974
1975	86.0 AT 12:04 CST ON APR 26	66.3 ON APR 26	0E ON JAN 1	69 200	1975
1976	133 AT 02:23 CST ON APR 1 *	123 ON APR 1 *	0E ON JAN 17	134 000	1976
1977	2.10 AT 08:47 CST ON MAY 22	1.85 ON MAY 23	0E ON JAN 1	1 630	1977
1978	85.4 AT 06:48 CST ON JUL 14	83.7 ON JUL 14	0E ON JAN 1	69 100	1978
1979	128 AT 11:20 CST ON APR 22	118 ON APR 22	0E ON JAN 1	112 000	1979
1980	2.40 E AT 11:32 CST ON APR 3	1.84 ON APR 15	0E ON JAN 1	2 520	1980
1981	3.94 E AT 08:26 CST ON FEB 18	2.88 ON FEB 20	0 ON JAN 1	1 980	1981
1982	77.2 E AT 01:00 CST ON APR 16	67.8 E ON APR 14	0E ON JAN 1	48 400	1982
1983	26.6 AT 00:48 CST ON APR 17	24.3 ON APR 18	0E ON JAN 1	38 100	1983
1984	0.335 AT 11:30 CST ON MAR 29	0.325 ON MAR 29	0E ON JAN 1	202	1984
1985	3.69 E AT 13:04 CST ON MAR 14	3.41 E ON MAR 13	0E ON JAN 1	2 790	1985
1986	4.46 E AT 03:30 CST ON MAR 1	3.94 E ON MAR 1	0E ON JAN 1	8 950	1986
1987	8.51 E AT 08:58 CST ON APR 3	7.36 E ON APR 3	0E ON FEB 5	8 390	1987
1988	---	0 E ON JAN 1	0E ON JAN 1	0	1988
				30 700	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

LONG CREEK NEAR CROSBY - STATION NO. 05NB026

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1944	---	---	---	---	---	---	---	5.120	0	0	0	0	---	1944
1945	0	0	0.061	0.049	0.001	0	0	0.010	0	0	0	0	0.010	1945
1946	0	0	3.27	0.558	0.028	0.001	0.142	0	0	0	0	0	0.338	1946
1947	0	0	3.05	10.7	0.530	0.430	0.177	0.242	0.227	0.149	0.085	0.026	1.28	1947
1948	0.014	0	0	33.2	3.40	0.178	0.239	0.003	0	0	0.001	0.001	3.05	1948
1949	0	0	0.230	3.68	0.180	0.068	0	0	0	0	0	0	0.341	1949
1950	0	0	0.020	8.70	0.807	1.05	0.171	0.024	0	0	0	0	0.889	1950
1951	0	0	0	14.8	4.98	0.218	0.010	0	0.064	0	0	0	1.68	1951
1952	0	0	0.338	5.39	0.102	0	0	0	0	0	0	0	0.478	1952
1953	0	0	0.324	0.114	0.643	8.45	3.69	0.184	0.015	0	0	0	1.11	1953
1954	0	0.528	0.286	0.207	0.258	0.335	0.080	0.010	0.004	0.881	0.010	0.032	0.143	1954
1955	0.015	0	1.43	8.54	4.82	0.455	0.031	0.009	0	0	0	0	1.26	1955
1956	0	0	0.948	3.52	0.438	0.033	0.001	0	0	0	0	0	0.408	1956
1957	0	0.001	0.125	0.005	0	0	0	0	0	0	0	0	0.011	1957
1958	0	0	0.864	3.18	0.018	0	0	0	0	0	0	0	0.345	1958
1959	0	0	0.396	0.003	0	0.888	0.360	0	0	0	0	0	0.137	1959
1960	0	0	7.36	5.71	0.174	0.159	0.038	0	0	0	0	0	1.12	1960
1961	0	0	0	0	0	0	0	0	0	0	0	0	0	1961
1962	0	0	0.234	1.14	0.002	0	0	0	0	0	0	0	0.113	1962
1963	0	0	0.307	0.156	0.003	3.82	0.227	1.03	0.302	0.005	0	0	0.483	1963
1964	0	0	0	4.13	0.430	0.226	0.081	0	0	0	0	0	0.401	1964
1965	0	0	0	5.24	5.84	5.08	1.64	0.192	0.180	---	---	---	---	1965
MEAN	0.001	0.025	0.821	5.19	1.21	1.02	0.328	0.083	0.035	0.007	0.005	0.003	0.881	MEAN

LOCATION - LAT 48 58 30 N DRAINAGE AREA, 3 370 km²
LONG 103 18 04 W REGULATED

LONG CREEK NEAR CROSBY - STATION NO. 05NB026

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1944	---	---	---	---	1944
1945	---	0.218 ON APR 17	0 ON JAN 1 *	320	1945
1946	---	18.2 ON MAR 13	0 ON JAN 1	10 700	1946
1947	---	26.6 ON APR 11	0 ON JAN 1	40 600	1947
1948	---	170 ON APR 23 *	0E ON FEB 1	95 400	1948
1949	---	13.6 B ON APR 3	0E ON JAN 1	10 800	1949
1950	---	28.2 B ON APR 18	0 ON JAN 1	28 100	1950
1951	---	32.6 B ON APR 18	0 ON JAN 1	52 400	1951
1952	---	13.8 B ON APR 2	0 ON JAN 1	15 200	1952
1953	---	25.0 ON JUN 10	0 ON JAN 1	34 900	1953
1954	---	3.20 B ON FEB 26	0 ON JAN 1	4 520	1954
1955	24.1 AT 17:00 CST ON APR 8	23.1 ON APR 8	0E ON JAN 28	40 500	1955
1956	8.508 AT 07:00 CST ON APR 11	7.85 B ON APR 8	0 ON JAN 1	12 800	1956
1957	---	0.706 ON MAR 23	0 ON JAN 1	351	1957
1958	27.9 AT 11:00 CST ON MAR 31	24.5 ON MAR 31	0 ON JAN 1	10 800	1958
1959	15.7 AT 23:30 CST ON JUN 29	12.2 ON JUN 30	0E ON JAN 1	4 330	1959
1960	48.7 B AT 18:00 CST ON MAR 27 *	39.8 B ON MAR 27	0 ON JAN 1	35 800	1960
1961	---	0 ON JAN 1	0 ON JAN 1	0	1961
1962	---	4.83 ON APR 5	0 ON JAN 1	3 570	1962
1963	---	20.3 ON JUN 8	0 ON JAN 1	15 800	1963
1964	---	14.4 B ON APR 4	0 ON JAN 1	12 700	1964
1965	23.0 AT 17:00 CST ON MAY 27	22.0 ON MAY 27	0 ON JAN 1	---	1965
				21 800	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

LONG CREEK NEAR ESTEVAN - STATION NO. 05NB001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1911	---	---	---	---	---	---	0.047	0.021	0.017	0.887	---	---	---	1911
1912	---	---	---	---	5.82	---	---	0.113	0.091	0.122	---	---	---	1912
1913	---	---	---	2.20	0.288	0.189	0.288	0.042	0.078	0.088	---	---	---	1913
1914	---	---	---	---	0.887	2.36	0.315	0.043	0.133	0.082	0.030	0.028	---	1914
1915	0.031	0.029	0.048	0.089	0.036	0.020	0.028	0.011	0.008	0.014	0.027	0.021	0.030	1915
1916	0.011	0.011	0.011	18.9	2.33	0.454	0.281	0.124	0.037	0.080	0.061	0.048	1.84	1916
1917	0.016	0.009	0.113	3.50	2.67	0.205	0.084	0.011	0.013	0.038	0.041	0.018	0.558	1917
1918	0.041	0.030	0.388	1.87	0.788	0.121	0.018	0.151	0.033	0.014	0.013	0.015	0.273	1918
1919	0.024	0.041	0.031	8.80	0.507	0.044	0.088	0.008	0.005	0.021	0.022	0	0.809	1919
1920	0	0	0.005	14.0	2.41	0.307	0.049	0.005	0.002	0.004	0.005	0.004	1.38	1920
1921	0	0	0.333	0.394	0.107	1.48	1.82	0.148	0.051	0.031	0.022	0.018	0.388	1921
1922	0.001	0	0.565	5.34	2.21	0.388	0.318	0.037	0.027	0.038	0.037	0.027	0.747	1922
1923	0.024	0.007	0.261	10.9	1.02	---	---	---	---	---	---	---	---	1923
1933	---	---	---	0.482	2.13	2.51	0.158	0.028	0.068	---	---	---	---	1933
1934	---	---	---	0.252	0.055	0.035	0	---	---	---	---	---	---	1934
1935	---	---	---	0.382	0.048	0.032	0.020	0.010	0.033	0.023	---	---	---	1935
1936	---	---	---	8.49	0.430	0.041	0.014	0.005	0.004	0.007	---	---	---	1936
1937	---	---	---	---	0.085	0.009	0.082	0.012	0.013	---	---	---	---	1937
1938	---	---	---	0.378	0.394	0.051	0.076	0.018	0.015	---	---	---	---	1938
1939	---	---	---	2.80	0.089	0.078	0.026	0.001	0	---	---	---	---	1939
1940	---	---	---	0.057	0.138	0.045	0.039	0.045	0.048	---	---	---	---	1940
1941	---	---	---	4.78	0.647	0.258	0.057	0.048	0.050	---	---	---	---	1941
1942	---	---	---	4.83	0.[illegible]	0.287	0.040	0.049	0.031	0.025	---	---	---	1942
1943	---	---	---	22.2	[illegible]	0.988	0.235	0.030	0.031	---	---	---	---	1943
1944	---	---	---	0.187	0.[illegible]	1.85	1.43	0.251	0.050	0.050	---	---	---	1944
1945	---	---	---	0.142	0.084	0.041	0.032	0.022	0.022	0.038	---	---	---	1945
1946	---	---	---	0.873	0.108	0.050	0.188	0.025	0.020	0.030	---	---	---	1946
1947	---	---	---	10.8	0.743	0.582	0.385	0.182	0.278	0.133	---	---	---	1947
1948	---	---	---	---	5.07	0.350	0.232	0.048	0.022	0.050	---	---	---	1948
1949	---	---	---	4.87	0.210	0.187	0.044	0.023	0.011	0.018	---	---	---	1949
1950	---	---	---	11.7	1.28	1.16	0.183	0.034	0.018	0.028	---	---	---	1950
1951	---	---	---	18.9	5.84	0.338	0.088	0.041	0.074	0.051	---	---	---	1951
1952	---	---	---	7.58	0.288	0.088	0.070	0.020	0.031	0.038	0.018	---	---	1952
1953	---	---	---	0.346	0.880	8.81	8.73	0.320	0.083	0.038	0.042	---	---	1953
1954	---	---	---	0.480	0.584	0.618	0.185	0.040	0.043	0.258	0.389	---	---	1954
1955	---	---	---	11.0	5.50	0.878	0.174	0.014	0.017	0.080	---	---	---	1955
1956	---	---	0.780	3.88	0.808	0.059	0.017	0.004	0.005	0.004	---	---	---	1956
1957	---	---	0.388	0.329	0.037	0.014	0.030	0.041	0.014	0.011	---	---	---	1957
1958	---	---	0.018	0.011	0.023	0.022	0.024	0.083	0.023	0.028	0.011	0.004	---	1958
1960	0.011	0.014	0.014	0.018	0.009	0.012	0.087	0.047	0.088	0.025	0.021	0.018	0.026	1960
1961	0.008	0.009	0.008	0.008	0.012	0.032	0.088	0.122	0.048	0.013	0.008	0.008	0.026	1961
1962	0.035	0.007	0.008	0.011	0.841	0.008	0.010	0.085	0.022	0.023	0.028	0.026	0.077	1962
1963	0.008	0.028	0.018	0.017	0.009	0.011	0.018	0.088	0.021	0.014	0.012	0.011	0.018	1963
1964	0.020	0.043	0.018	3.06	0.814	0.028	0.201	0.005	0.178	0.030	0.100	0.117	0.388	1964
1965	0.118	0.108	0.101	3.17	9.89	5.47	1.50	0.414	0.002	0.018	0.008	0.045	1.73	1965
1966	0.013	0.078	4.87	1.24	0.249	0.017	0.088	0.108	0.037	0.108	0.014	0.027	0.580	1966
1967	0.042	0.068	0.278	3.34	3.52	0.088	0.095	0.188	0.188	0.048	0.888	0.042	0.720	1967
1968	0.042	0.042	0.042	0.042	0.083	0.108	0.141	0.088	0.042	0.042	0.042	0.053	0.084	1968
1969	0.054	0.054	4.44	24.9	1.13	0.022	1.88	0.028	0.267	0.147	0.078	0.070	2.74	1969
1970	0.081	0.071	0.070	2.71	21.0	1.55	0.088	0.182	0.080	0.050	0.042	0.042	2.20	1970
1971	0.024	0.026	0.323	3.28	0.078	0.052	5.81	1.08	3.40	0.083	0.573	0.051	1.23	1971
1972	0.051	0.081	7.55	1.81	1.37	5.86	0.912	0.785	0.818	0.070	0.188	0.306	1.82	1972
1973	0.018	0.034	0.107	0.088	0.080	0.104	0.071	0.118	0.040	0.138	0.084	0.050	0.074	1973
1974	0.028	0.023	0.811	20.5	2.84	0.818	2.69	0.112	0.137	0.147	0.078	0.101	2.33	1974
1975	0.088	0.082	0.089	17.4	9.95	1.27	0.053	0.071	0.021	0.098	0.384	0.734	2.82	1975
1976	0.737	1.49	16.2	39.4	1.11	10.5	0.932	0.772	0.558	0.048	0.084	0.073	5.84	1976
1977	0.089	0.085	0.078	0.035	0.210	0.078	0.071	0.145	0.083	0.078	0.081	0.084	0.083	1977
1978	0.084	0.084	1.28	4.26	0.831	0.802	13.2	0.801	2.08	0.831	0.040	0.011	1.85	1978
1979	0.014	0.598	4.28	34.0	15.1	1.11	0.294	0.053	0.035	0.048	0.028	0.040	4.62	1979
1980	0.041	0.050	0.075	0.088	0.087	0.088	0.188	0.107	0.088	0.078	0.087	0.081	0.084	1980
1981	0.104	0.054	0.070	0.084	0.051	0.083	0.087	0.074	0.041	0.085	0.077	0.088	0.089	1981
1982	0.084	0.051	0.083	13.6	1.37	0.315	0.422	0.083	0.082	0.084	0.058	0.088	1.34	1982
1983	0.058	0.078	0.228	12.8	0.642	0.262	0.116	0.142	0.083	0.130	0.085	0.038	1.23	1983
1984	0.062	0.078	0.068	0.088	0.088	0.090	0.118	0.123	0.095	0.070	0.089	0.084	0.078	1984
1985	0.048	0.068	0.071	0.033	0.003	0.041	0.025	0.013	0.011	0.018	0.018	0.020	0.030	1985
1986	0.018	0.028	0.023	0.021	0.021	0.018	0.022	0.012	0.014	0.014	0.014	0.017	0.018	1986
1987	0.018	0.028	0.024	0.018	0.020	0.017	0.038	0.138	0.007	0.020	0.014	0.017	0.030	1987
1988	0.008	0.009	0.018	0.007	0.012	0.028	0.018	0.004	0.006	0.003	0.007	0.005	0.010	1988
MEAN	0.088	0.083	1.07	5.77	1.75	0.833	0.837	0.118	0.180	0.080	0.085	0.082	1.02	MEAN

LOCATION - LAT 49 08 15 N
LONG 103 00 48 W

DRAINAGE AREA, 4 840 km²
REGULATED SINCE 1956

LONG CREEK NEAR ESTEVAN - STATION NO. 05NB001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1911	---	---	---	---	1911
1912	---	---	---	---	1912
1913	---	---	---	---	1913
1914	---	---	---	---	1914
1915	---	0.150E ON APR 25	0.001 ON SEP 2	841	1915
1916	---	38.5 E ON APR 14	0.011 ON JAN 1	58 200	1916
1917	---	11.8 ON MAY 2	0.002B ON FEB 9	17 600	1917
1918	---	5.24 ON APR 26	0 ON AUG 1 *	8 620	1918
1919	---	18.7 B ON APR 5	0 ON AUG 24	19 200	1919
1920	---	25.1 B ON APR 21	0 ON JAN 1	43 700	1920
1921	---	11.0 ON JUN 29	0 ON JAN 1	11 800	1921
1922	---	15.3 B ON APR 5	0 B ON JAN 8	23 500	1922
1923	---	33.7 ON APR 17	0.003 ON FEB 23	---	1923
1933	---	---	---	---	1933
1934	---	---	0 E ON MAR 6	---	1934
1935	---	---	---	---	1935
1936	---	---	---	---	1936
1937	---	---	0 ON JUN 9	---	1937
1938	---	---	---	---	1938
1939	---	43.3 B ON MAR 24	0 ON JUL 22	---	1939
1940	---	---	---	---	1940
1941	---	14.7 ON APR 11	---	---	1941
1942	---	---	---	---	1942
1943	---	---	---	---	1943
1944	---	---	---	---	1944
1945	---	---	---	---	1945
1946	---	---	---	---	1946
1947	---	---	---	---	1947
1948	---	170 E ON APR 26 *	---	---	1948
1949	---	---	---	---	1949
1950	---	---	---	---	1950
1951	---	---	---	---	1951
1952	---	---	---	---	1952
1953	---	---	---	---	1953
1954	---	---	---	---	1954
1955	---	---	---	---	1955
1956	---	---	---	---	1956
1957	---	---	---	---	1957
1958	---	---	---	---	1958
1960	0.504 AT 10:00 CST ON SEP 28	0.442 ON JUL 25	0 ON JUL 11	811	1960
1961	0.442 AT 02:00 CST ON AUG 5	0.433 ON AUG 4	0 ON JUL 11	888	1961
1962	---	3.34 ON MAY 18	0 ON JUL 1	2 440	1962
1963	0.402 AT 16:00 CST ON DEC 7	0.374 ON AUG 13	0 ON JUN 13	507	1963
1964	---	15.6 A ON APR 12	0 A ON MAY 28	12 300	1964
1965	---	21.3 ON MAY 28	0 ON APR 8	54 500	1965
1966	---	23.1 ON MAR 18	0.006 ON JAN 1	17 700	1966
1967	---	15.1 ON MAY 10	0.006 ON MAR 1	22 700	1967
1968	---	0.210 ON JUL 14	0.042 ON JAN 1	2 010	1968
1969	---	113 ON APR 11	0 ON APR 28	48 500	1969
1970	---	55.2 ON MAY 6	0 ON OCT 7	88 300	1970
1971	22.4 AT 21:58 CST ON JUL 13	21.7 ON JUL 14	0.007E ON MAR 4	38 800	1971
1972	41.8 AT 01:54 CST ON MAR 21	41.8 ON MAR 21	0.006 ON NOV 21	51 100	1972
1973	0.884 AT 04:34 CST ON AUG 16	0.880E ON MAR 9	0.005 ON MAY 9	2 380	1973
1974	---	54.4 ON APR 13	0.014B ON FEB 8	73 400	1974
1975	---	84.1 E ON APR 30	0.042E ON MAY 16	79 400	1975
1976	---	154 E ON APR 2	0.020 ON SEP 23	188 000	1976
1977	1.38 AT 19:45 CST ON MAY 15	1.28 ON MAY 15	0.025 ON JUN 29	2 930	1977
1978	38.2 AT 23:00 CST ON JUL 9	38.2 ON JUL 10	0.005B ON DEC 8	61 400	1978
1979	111 AT 19:08 CST ON APR 22 *	110 ON APR 21	0.004B ON NOV 22	146 000	1979
1980	1.08 AT 12:30 CST ON DEC 31	0.290 ON JUL 31	0.021 ON JUN 20	2 850	1980
1981	0.303 AT 08:40 CST ON JUL 24	0.224 ON JUL 23	0.005 ON SEP 5	2 160	1981
1982	72.7 AT 00:44 CST ON APR 17	70.4 ON APR 17	0.021B ON NOV 21	42 200	1982
1983	23.8 AT 19:58 CST ON APR 8	23.8 E ON APR 7	0.025 ON SEP 25	36 700	1983
1984	0.349 AT 15:07 CST ON JUN 30	0.338 ON JUN 30	0.018 ON APR 1	3 480	1984
1985	0.204 AT 17:53 CST ON MAR 14	0.118 ON MAR 23	0 ON MAY 4	958	1985
1986	0.201 AT 12:10 CST ON SEP 4	0.130 ON MAY 31	0.001 ON OCT 8	577	1986
1987	0.507 AT 07:35 CST ON AUG 14	0.486 ON AUG 19	0.001 ON AUG 31	931	1987
1988	0.188 AT 03:42 CST ON JUL 5	0.073 ON JUL 5	0.001E ON AUG 5	316	1988
				32 130	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1959	---	---	0.045	0	0	0.182	0.003	0	0	0.002	---	---	0.029	1959
1960	---	---	3.95	1.72	0.027	0.002	0.001	0	0	0	---	---	0.715	1960
1961	---	---	0.053	0	0	0	0	0	0	0	---	---	0.007	1961
1962	---	---	0.305	0.833	0.001	0.002	0	0	0	0	---	---	0.141	1962
1963	---	---	0.185	0.128	0.013	1.48	0.054	0	0.010	0	---	---	0.229	1963
1964	---	---	0.005	1.70	0.214	0.067	0.004	0	0	0	---	---	0.248	1964
1965	---	---	0	3.06	5.36	3.19	0.487	0.147	0.200	0.142	---	---	1.57	1965
1966	---	---	1.53	0.312	0.101	0.008	0	0	0	0	---	---	0.246	1966
1967	---	---	0.105	3.12	2.38	0.175	0	0	0	0	---	---	0.718	1967
1968	---	---	0.039	0	0	0	0	0.321	0.404	0.087	---	---	0.106	1968
1969	---	---	0	17.0	0.806	0.081	0.218	0.334	0.011	0	---	---	2.27	1969
1970	---	---	0.084	4.25	10.8	0.343	0.004	0	0	0	---	---	1.92	1970
1971	---	---	0.043	3.56	0.049	0.050	4.02	0.386	0	0.044	---	---	1.02	1971
1972	---	---	5.89	0.706	0.158	1.72	0.218	0.123	0	0	---	---	1.08	1972
1973	---	---	0	0.006	0.004	0.002	0	0	0	0	---	---	0.001	1973
1974	---	---	0.073	12.5	0.842	0.242	0.115	0	0	0	---	---	1.71	1974
1975	---	---	0	12.1	3.54	0.084	0.014	0.005	0.004	0.002	---	---	1.94	1975
1976	---	---	8.01	14.4	0.253	8.88	0.855	0.056	0	0	---	---	3.72	1976
1977	---	---	0.001	0.003	0.006	0.003	0	0	0	0	---	---	0.002	1977
1978	---	---	5.02	2.83	0.170	0.428	13.2	0.271	0.725	0.382	---	---	2.88	1978
1979	---	---	0.293	20.4	7.28	0.309	0.074	0.003	0	0	---	---	3.50	1979
1980	---	---	0.010	0.017	0	0	0	0	0	0	---	---	0.003	1980
1981	---	0.049	0.008	0	0	0	0	0	0	0	---	---	0.001	1981
1982	---	---	0.105	9.18	0.819	0.028	0.073	0.030	0	0	---	---	1.22	1982
1983	---	---	0.056	7.12	0.481	0.077	0.180	0.001	0	0	---	---	0.972	1983
1984	---	---	0.046	0	0.002	0	0	0	0	0	---	---	0.006	1984
1985	---	---	0.023	0	0	0	0	0	0	0	---	---	0.003	1985
1986	---	0.038	0.818	0.002	0.348	0.003	0.084	0.013	0	0.003	---	---	0.181	1986
1987	---	---	0.089	1.35	0.015	0	0	0	0	0	---	---	0.176	1987
1988	---	---	0	0	0	0	0	0	0	0	---	---	0	1988
MEAN	---	0.043	0.884	3.87	1.11	0.506	0.847	0.056	0.045	0.022	---	---	0.886	MEAN

LOCATION - LAT 49 15 32 N DRAINAGE AREA, 1 780 km²
LONG 103 57 22 W REGULATED

LONG CREEK NEAR MAXIM - STATION NO. 05NA004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1959	---	3.84 ON JUN 27	0 ON MAR 1 >	809	1959
1960	---	28.6 ON MAR 28	OB ON MAR 1	15 200	1960
1961	---	0.3858 ON MAR 13	OB ON MAR 1	141	1961
1962	---	4.90 B ON MAR 31	OB ON MAR 1	2 980	1962
1963	---	8.80 ON JUN 11	0 ON MAR 1	4 840	1963
1964	---	4.78 B ON APR 8	OB ON MAR 1	5 210	1964
1965	---	18.1 ON MAY 8	OB ON MAR 1	33 200	1965
1966	---	4.64 ON MAR 20	0 ON MAR 1	5 200	1966
1967	---	8.81 ON APR 12	OB ON MAR 1	15 200	1967
1968	---	2.17 ON AUG 28	OB ON MAR 1	2 280	1968
1969	---	82.4 ON APR 8	OB ON MAR 1	48 100	1969
1970	---	52.1 ON MAY 5	OB ON MAR 1	10 800	1970
1971	---	15.8 ON JUL 13	OB ON MAR 1	21 800	1971
1972	41.1 AT 12:12 CST ON JUN 8	30.3 ON MAR 19	OB ON MAR 1	22 800	1972
1973	0.127 AT 18:47 CST ON APR 26	0.078 ON APR 26	OB ON MAR 1	28.8	1973
1974	52.4 AT 11:04 CST ON APR 17	51.3 ON APR 17	OB ON MAR 1	38 100	1974
1975	84.0 AT 13:24 CST ON APR 24	82.6 ON APR 24	OB ON MAR 1	41 100	1975
1976	85.7 AT 02:08 CST ON APR 3	84.0 ON APR 3	OB ON MAR 1	78 700	1976
1977	0.681 AT 10:43 CST ON MAY 18	0.172 ON MAY 18	OB ON MAR 1	38.3	1977
1978	84.4 AT 07:46 CST ON JUL 11	81.8 ON JUL 11	OB ON MAR 1	80 800	1978
1979	121 AT 01:19 CST ON APR 21 >	112 ON APR 21 >	OB ON MAR 1	74 200	1979
1980	0.2178 AT 15:25 CST ON MAR 19	0.078 ON APR 12	OB ON MAR 1	89.4	1980
1981	---	0.027 ON MAR 1	0 ON MAR 15	15.3	1981
1982	38.4 AT 17:15 CST ON APR 17	36.8 ON APR 18	OB ON MAR 1	25 800	1982
1983	26.8 AT 04:22 CST ON APR 14	24.2 ON APR 14	OB ON MAR 1	20 600	1983
1984	0.2988 AT 23:37 CST ON MAR 21	0.2788 ON MAR 22	OB ON MAR 1	127	1984
1985	0.1918 AT 23:19 CST ON MAR 14	0.1468 ON MAR 13	OB ON MAR 1	81.8	1985
1986	4.15 B AT 18:01 CST ON MAR 8	3.58 B ON MAR 8	0 ON APR 3	3 400	1986
1987	4.58 AT 07:28 CST ON APR 8	4.48 ON APR 8	OB ON MAR 1	3 700	1987
1988	---	0 ON MAR 1	0 ON MAR 1	0	1988
				18 800	MEAN

B - ICE CONDITIONS > - EXTREME RECORDED FOR THE PERIOD OF RECORD

LONG CREEK NEAR HOONAH - STATION NO. 05NB027

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1959	---	---	---	---	---	---	---	---	---	0	0.013	0.018	---	1959
1960	0.005	0.004	8.31	7.43	0.227	0.142	0.102	0	0	0	0	0	1.35	1960
1961	0	0	0.106	0.033	0.004	0	0	0	0	0	0	0	0.012	1961
1962	0	0	0.483	1.12	0.010	0.015	0	0	0	0	0	0	0.138	1962
1963	0	0	0.278	0.215	0.029	3.86	0.486	1.09	0.453	0.022	0.004	0.003	0.545	1963
1964	0.001	0.003	0.003	5.84	0.527	0.223	0.114	0	0	0	0	0	0.852	1964
1965	0	0	0	5.43	8.77	5.32	1.80	0.189	0.137	0.124	0.085	0.082	1.81	1965
1966	0.041	0.040	5.12	1.23	0.475	0.048	0.007	0.001	0	0.002	0.002	0.001	0.588	1966
1967	0	0	1.84	3.58	3.80	0.111	0.001	0	0	0	0	0	0.763	1967
1968	0.002	0.002	0.072	0.016	0.003	0.004	0	0	0.306	0.004	0.005	0.004	0.035	1968
1969	0	0	0.005	34.0	1.36	0.107	1.42	0.206	0.005	0.008	0.011	0.012	3.06	1969
1970	0.002	0	0.408	5.02	20.8	1.54	0.285	0.038	0.004	0.018	0.023	0.008	2.36	1970
1971	0.003	0.008	0.846	5.13	0.267	0.089	7.08	0.432	0.018	0.070	0.044	0.024	1.16	1971
1972	0.004	0	12.8	1.87	1.51	5.68	0.516	0.181	0.035	0.038	0.038	0.022	1.81	1972
1973	0.018	0.018	0.131	0.198	0.178	0.104	0.001	0	0.003	0.008	0.015	0.003	0.058	1973
1974	0	0.028	2.94	26.5	2.86	0.875	2.80	0.122	0.020	0.025	0.024	0.018	2.86	1974
1975	0.023	0.014	0.027	15.8	9.41	1.18	0.178	0.032	0.358	0.285	0.182	0.123	2.63	1975
1976	0.148	0.128	15.9	36.6	1.63	10.6	1.60	0.148	0.020	0.027	0.022	0.012	5.62	1976
1977	0.008	0.011	0.126	0.117	0.282	0.086	0.001	0	0	0.001	0.006	0.003	0.062	1977
1978	0	0	5.78	5.50	0.898	0.788	12.8	1.11	2.18	0.877	0.203	0.121	2.70	1978
1979	0.022	0.011	0.377	39.5	14.6	1.18	0.220	0.030	0.014	0.018	0.018	0.020	4.85	1979
1980	0.008	0.005	0.280	0.823	0.086	0.002	0.001	0	0	0.001	0.008	0.003	0.107	1980
1981	0	2.02	0.370	0.021	0.007	0.006	0	0	0	0	0	0.001	0.189	1981
1982	0	0	0	23.6	1.56	0.210	0.787	0.062	0.005	0.019	0.022	0.012	2.17	1982
1983	0.011	0.180	1.63	13.6	1.24	0.230	0.086	0.034	0	0.001	0.004	0.003	1.42	1983
1984	0.004	0.013	0.033	0.080	0.101	0.012	0.002	0	0	0	0	0	0.020	1984
1985	0	0.003	1.82	0.171	0.006	0	0	0.144	0.027	0.012	0.011	0.003	0.186	1985
1986	0.001	0.041	1.88	0.143	0.887	0.041	0.271	0.889	0.007	0.017	0.020	0.018	0.313	1986
1987	0.006	0.017	1.87	2.95	0.100	0.002	0	0	0	0	0	0	0.412	1987
1988	0	0	0.003	0	0.002	0	0	0	0	0	0	0	0	1988
MEAN	0.010	0.088	2.24	8.35	2.44	1.12	1.05	0.153	0.124	0.053	0.024	0.018	1.30	MEAN

LOCATION - LAT 48 58 52 N LONG 133 04 34 W DRAINAGE AREA, 4 460 km² REGULATED INTERNATIONAL GAUGING STATION

LONG CREEK NEAR HOONAH - STATION NO. 05NB027

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1959	---	---	0 E ON OCT 1 *	---	1959
1960	80.8 B AT 20:00 CST ON MAR 27	56.6 B ON MAR 28	0 B ON FEB 26	42 900	1960
1961	0.651 ON MAR 20	0.510 ON MAR 19	0 B ON JAN 1	380	1961
1962	4.36 AT 07:00 CST ON MAR 30	3.91 ON APR 5	0 ON JAN 1	4 280	1962
1963	22.8 AT 07:00 CST ON JUN 8	20.9 ON JUN 8	0 ON JAN 1	17 200	1963
1964	22.2 B AT 09:00 CST ON APR 5	18.4 B ON APR 5	0 B ON JAN 9	17 400	1964
1965	22.1 AT 10:30 CST ON MAY 9	21.5 ON MAY 9	0 ON JAN 1	87 200	1965
1966	23.2 B AT 23:00 CST ON MAR 16	22.1 B ON MAR 17	0 ON JUL 12	18 500	1966
1967	---	13.5 ON MAY 8	0 B ON JAN 1	24 700	1967
1968	1.27 AT 00:00 CST ON SEP 6	1.19 ON SEP 7	0 ON JAN 1	1 080	1968
1969	141 AT 16:00 CST ON APR 10 *	121 ON APR 10	0 ON JAN 1	88 800	1969
1970	53.8 AT 07:30 CST ON MAY 8	53.0 ON MAY 8	0 ON JAN 8	74 300	1970
1971	---	22.0 ON JUL 13	0 ON JAN 15	28 300	1971
1972	---	49.6 B ON MAR 16	0 B ON JAN 22	80 400	1972
1973	0.481 ON JUN 4	0.386 ON APR 3	0 ON JUL 5	1 780	1973
1974	80.6 B ON APR 12	54.4 B ON APR 11	0 B ON JAN 1	84 000	1974
1975	75.3 ON APR 29	71.6 ON APR 28	0.001 ON JUL 30	83 100	1975
1976	---	102 ON APR 1 *	0 ON SEP 15	176 000	1976
1977	---	1.70 ON MAY 23	0 ON JUL 7	1 880	1977
1978	81.7 AT 00:15 CST ON JUL 15	69.2 ON JUL 15	0 B ON JAN 1	85 100	1978
1979	140 AT 02:30 CST ON APR 19	132 ON APR 19	0.007 ON AUG 27	148 000	1979
1980	2.27 B AT 18:45 CST ON MAR 28	2.07 ON APR 16	0 ON JUL 19	3 380	1980
1981	11.5 B AT 08:00 CST ON FEB 21	10.8 B ON FEB 21	0 B ON JAN 12	5 980	1981
1982	110 B AT 17:00 CST ON APR 15	102 B ON APR 15	0 B ON JAN 1	88 400	1982
1983	23.6 AT 12:00 CST ON APR 17	23.4 ON APR 17	0 ON AUG 19	44 900	1983
1984	0.340 AT 18:30 CST ON MAY 3	0.311 ON MAY 3	0 ON JUL 17	548	1984
1985	8.85 B AT 19:30 CST ON MAR 14	5.80 B ON MAR 15	0 B ON JAN 1	5 880	1985
1986	8.37 B AT 19:00 CST ON MAR 2	4.86 B ON MAR 2	0 B ON JAN 24	8 870	1986
1987	10.1 AT 00:30 CST ON APR 4	8.86 ON APR 4	0 B ON JAN 21	13 000	1987
1988	0.008 AT 13:45 CST ON MAY 2	0.0085 ON MAR 23	0 B ON JAN 1	15.2	1988
				41 100	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

LONG CREEK NEAR TRIBUNE - STATION NO. 05NA002

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1987	---	---	0.181	0.048	0	0	0	0	0.001	0	---	---	0.029	1987
1988	---	---	0.604	2.03	0	0.066	0	0	0	0	---	---	0.333	1988
MEAN	---	---	0.393	1.04	0	0.033	0	0	0.001	0	---	---	0.181	MEAN

LOCATION - LAT 48 10 32 N LONG 133 50 38 W DRAINAGE AREA, 1 980 km² NATURAL FLOW

LONG CREEK NEAR TRIBUNE - STATION NO. 05NA002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1957	---	1.84 ON MAR 21	0 ON MAR 1 *	814	1957
1958	---	9.34 ON APR 4 *	0B ON MAR 1	7 040	1958
				3 930	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

LONG CREEK NEAR TRIBUNE - STATION NO. 05NA001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1958	---	---	0.624	2.34	0.299	0.004	0	0	0	0	---	---	---	1958
MEAN	---	---	0.624	2.34	0.299	0.004	0	0	0	0	---	---	---	MEAN

LOCATION - LAT 49 13 05 N
LONG 103 53 20 W
DRAINAGE AREA, 1 970 km^2
NATURAL FLOW

LONG CREEK NEAR TRIBUNE - STATION NO. 05NA001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1958	---	5.84 ON APR 8 *	0B ON MAR 1 *	---	1958
				---	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

LOON CREEK NEAR MARKINCH - STATION NO. 05JK005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO JUN IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1944	---	---	---	---	---	0	---	---	---	---	---	---	---	1944
1945	---	---	---	0	0	0	---	---	---	---	---	---	---	1945
1946	---	---	0.017	0	0	0	---	---	---	---	---	---	0.004	1946
1947	---	---	0	1.17	0.008	0	---	---	---	---	---	---	0.281	1947
1948	---	---	0	0.374	0.004	0	---	---	---	---	---	---	0.093	1948
1949	---	---	0	0.026	0	0	---	---	---	---	---	---	0.006	1949
1950	---	---	0.001	0.530	0	0	---	---	---	---	---	---	0.131	1950
1951	---	---	0	0.888	0.126	0	---	---	---	---	---	---	0.188	1951
1952	---	---	0.184	0.163	0	0	---	---	---	---	---	---	0.087	1952
1953	---	---	0.006	1.37	0.043	0.007	---	---	---	---	---	---	0.352	1953
1954	---	---	0	0.838	0.145	0.130	---	---	---	---	---	---	0.278	1954
MEAN	---	---	0.021	0.812	0.033	0.012	---	---	---	---	---	---	0.158	MEAN

LOCATION - LAT 50 53 00 N
LONG 104 16 30 W
DRAINAGE AREA, 2 040 km^2
REGULATED

LOON CREEK NEAR MARKINCH - STATION NO. 05JK005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO JUN FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1944	---	---	0 ON MAY 20 *	---	1944
1945	---	---	0 ON APR 1	---	1945
1946	---	0.082 ON MAR 27	0 ON MAR 1	45.4	1946
1947	---	8.55 ON APR 14	0B ON MAR 1	2 580	1947
1948	---	3.40 ON APR 19	0 ON MAR 1	978	1948
1949	---	0.180 ON APR 4	0B ON MAR 1	87.5	1949
1950	---	3.11 ON APR 7	0B ON MAR 1	1 370	1950
1951	---	2.21 ON APR 30	0B ON MAR 1	2 070	1951
1952	---	2.44 ON MAR 28	0 ON MAR 1	918	1952
1953	---	10.4 ON APR 4 *	0B ON MAR 1	3 700	1953
1954	---	3.45 B ON APR 12	0B ON MAR 1	2 900	1954
				1 870	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

LYNCH DITCH NEAR GOVENLOCK - STATION NO. 11AB042

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1915	---	---	0	0	0	0	0	0	0	0	---	---	0	1915
MEAN	---	---	0	0	0	0	0	0	0	0	---	---	0	MEAN

LOCATION - LAT 49 08 15 N
LONG 109 52 00 W
REGULATED

REMARKS - NO WATER WAS DIVERTED FROM 1915-23

LYNCH DITCH NEAR GOVENLOCK - STATION NO. 11AB042

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1915	---	0 ON MAR 1 *	0 ON MAR 1 *	0	1915
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		0	MEAN

LYONS CREEK AT INTERNATIONAL BOUNDARY - STATION NO. 11AB078

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1927	---	---	0.488	2.88	1.48	0.042	0.318	0.020	0	0	---	---	0.586	1927
1928	---	---	0.184	1.20	0.008	0	0	0	0	0	---	---	0.172	1928
1929	---	---	0	0	0.028	0.085	0	0	0	0	0	0	0.014	1929
1930	0	0.042	0.478	1.08	0.001	0	0	0	0	0	0	0	0.244	1930
1931	0	0	0	0	0	0	0	0	0	0	0	0	0	1931
1932	0	0	0.010	0.002	0	0.042	0	0	0	0	0	0	0.007	1932
1933	0	0	0	0	0	0	0	0	0	0	0	0	0	1933
1934	0	0.198	0.287	0.010	0	0	0	0	0	0	0	0	0.038	1934
1935	0	0	0.180	0.810	0	0	0.082	0.002	0	0	0	0	0.108	1935
1936	0	0	0	0.748	0.001	0	0	0	0	0	0	0	0.082	1936
1937	0	0	0.004	0.348	0	0	0	0	0.014	0	---	---	0.048	1937
1938	---	---	0.259	0.284	0.028	0.128	0.081	0	0	0	---	---	0.084	1938
1939	---	---	1.01	0.011	0	0.155	0.001	0	0	0	---	---	0.148	1939
1940	---	---	0	1.50	0.057	0.023	0	0	0	0	---	---	0.184	1940
1941	---	---	1.03	0.006	0	0	0	0	0	0	---	---	0.132	1941
1942	---	---	0.083	0.073	0	0.355	0.081	0	0	0	---	---	0.071	1942
1943	---	---	0.844	0.053	0	0	0	0	0	0	---	---	0.088	1943
1944	---	---	0.115	0	0	0	0	0	0	0	---	---	0.015	1944
1945	---	---	0.041	0	0	0	0	0	0	0	---	---	0.005	1945
1946	---	---	0.420	0	0	0.108	0	0	0	0	---	---	0.088	1946
1947	---	---	0.183	0.181	0	0	0	0	0	0	0	0	0.062	1947
1948	0	0	0	0	0	0	0	0	0	0	0	0	0	1948
1949	0	0	0	0	0	0	0	0	0	0	---	---	0	1949
1950	---	---	0	1.84	0.005	0	0	0	0	0	---	---	0.238	1950
1951	---	---	0	0.482	0.118	0	0	0	0	0	---	---	0.071	1951
1952	---	---	0	5.55	0.004	0	0	0	0	0	---	---	0.680	1952
1953	---	---	0	0	0	0	0	0	0	0	---	---	0	1953
1954	---	---	0	0.942	0.008	0	0	0	0	0	---	---	0.118	1954
1955	---	---	0.178	1.56	0.015	0.110	2.81	0.018	0	0	---	---	0.566	1955
1956	---	---	0.032	0.088	0.004	0	0	0	0	0	---	---	0.015	1956
1957	---	---	0.017	0.460	0	0	0	0	0	0	---	---	0.058	1957
1958	---	---	0.515	0.351	0	0	0	0	0	0	---	---	0.108	1958
1959	---	---	0.203	0.047	0	0.147	0.003	0	0	0	---	---	0.050	1959
1960	---	---	1.08	0.126	0.030	0	0	0	0	0	---	---	0.158	1960
1961	---	---	0.334	0	0	0	0	0	0	0	---	---	0.042	1961
1962	---	---	0.408	0.057	0	0.045	0.045	0	0	0	---	---	0.070	1962
1963	---	0.027	0.018	0	0	0	0	0	0	0	---	---	0.002	1963
1964	---	---	0	0	0	0	0	0	0	0	---	---	0	1964
1965	---	---	0	1.05	0.013	0	0	0	0	0	---	---	0.131	1965
1966	---	---	0.341	0.112	0.001	0	0	0	0	0	---	---	0.057	1966
1967	---	---	0.391	1.28	0.574	0	0	0	0	0	---	---	0.278	1967
1968	---	---	0	0	0	0	0	0	0	0	---	---	0	1968
1969	---	---	0	1.13	0.007	0	0	0	0	0	---	---	0.139	1969
1970	---	---	0	0	0	0	0	0	0	0	---	---	0	1970
1971	---	---	0	0.002	0	0	0	0	0	0	---	---	0	1971
1972	---	---	0.015	0	0	0	0	0	0	0	---	---	0.002	1972
1973	---	---	0	0	0	0	0	0	0	0	---	---	0	1973
1974	---	---	0.274	0.383	0.345	0.002	0	0	0	0	---	---	0.123	1974
1975	---	---	0	0.248	0.105	0.004	0	0.043	0	0	---	---	0.050	1975
1976	---	---	0.588	0.017	0	0	0	0	0	0	---	---	0.078	1976
1977	---	---	0	0	0	0	0	0	0	0	---	---	0	1977
1978	---	---	0	1.71	0.022	0	0	0	0	0	---	---	0.213	1978
1979	---	---	0.594	0.321	0.038	0.078	0.287	0	0	0	---	---	0.174	1979
1980	---	---	0.218	0.007	0	0	0	0	0	0	---	---	0.028	1980
1981	---	---	0	0	0	0	0	0	0	0	---	---	0	1981
1982	---	---	0.038	1.37	0.138	0.175	0	0	0	0	---	---	0.211	1982
1983	---	---	0	0	0	0	0.027	0	0	0	---	---	0.003	1983
1984	---	---	0	0	0	0	0	0	0	0	---	---	0	1984
1985	---	---	0	0	0	0	0	0	0	0	---	---	0	1985
1986	---	---	1.48	0	0.148	0	0	0	1.86	0.303	---	---	0.443	1986
1987	---	---	0.131	0.011	0	0	0	0	0	0	---	---	0.018	1987
1988	---	---	0	0	0	0	0	0	0	0	---	---	0	1988
MEAN	0	0.024	0.205	0.448	0.081	0.024	0.080	0.001	0.027	0.005	0	0	0.102	MEAN

LOCATION - LAT 49 00 17 N, LONG 109 13 48 W DRAINAGE AREA, 174 km^2, NATURAL FLOW INTERNATIONAL GAUGING STATION

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1983

LYONS CREEK AT INTERNATIONAL BOUNDARY - STATION NO. 11AB075

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1927	18.9 AT 18:00 MST ON APR 3	14.3 ON MAY 23	0 ON MAR 1 *	12 800	1927
1928	15.6 B ON APR 2	10.7 B ON APR 2	0B ON MAR 1	3 830	1928
1929	0.795 ON JUN 11	0.803 ON JUN 4	0 ON MAR 1	295	1929
1930	12.4 B AT 07:00 MST ON APR 2	10.7 B ON APR 2	0B ON MAR 2	5 170	1930
1931	---	0 ON MAR 1	0 ON MAR 1	0	1931
1932	0.708 AT 18:00 MST ON JUN 10	0.382 ON JUN 11	0 ON MAR 1	140	1932
1933	---	0 ON MAR 1	0 ON MAR 1	0	1933
1934	3.26 B AT 07:00 MST ON MAR 3	2.52 B ON MAR 3	0 ON MAR 28	785	1934
1935	12.8 AT 07:00 MST ON APR 13	7.02 ON APR 13	0 ON MAR 1	2 290	1935
1936	14.3 AT 18:00 MST ON APR 12	11.0 ON APR 12	0 ON MAR 1	1 840	1936
1937	5.21 AT 05:00 MST ON APR 8	2.80 ON APR 8	0 ON MAR 1	848	1937
1938	4.11 AT 18:30 MST ON MAR 25	3.14 B ON APR 8	0 ON MAR 1	2 000	1938
1939	17.1 AT 01:00 MST ON MAR 23	10.5 ON MAR 22	0 ON MAR 1	3 130	1939
1940	25.7 AT 07:30 MST ON APR 21	15.1 ON APR 21	0 ON MAR 1	4 110	1940
1941	11.6 AT 22:00 MST ON MAR 21	8.07 ON MAR 22	0 ON MAR 1	2 780	1941
1942	6.00 AT 08:15 MST ON JUN 29	4.22 ON JUN 29	0 ON MAR 1	1 490	1942
1943	9.12 AT 09:45 MST ON MAR 29	8.00 ON MAR 29	0 ON MAR 1	1 870	1943
1944	2.82 AT 18:15 MST ON MAR 17	1.50 ON MAR 18	0 ON MAR 1	309	1944
1945	0.411 AT 08:45 MST ON MAR 23	0.354 ON MAR 22	0 ON MAR 1	111	1945
1946	13.6 AT 20:05 MST ON JUN 5	2.66 ON MAR 11	0 ON MAR 1	1 410	1946
1947	1.84 AT 18:00 MST ON MAR 29	1.33 ON MAR 29	0 ON MAR 1	882	1947
1948	---	0 ON MAR 1	0 ON MAR 1	0	1948
1949	---	0 ON MAR 1	0 ON MAR 1	0	1949
1950	26.8 ON APR 13	14.7 ON APR 13	0 ON MAR 1	5 040	1950
1951	3.98 B AT 17:55 MST ON APR 5	2.89 ON APR 5	0 ON MAR 1	1 510	1951
1952	26.8 AT 03:00 MST ON APR 7	22.5 ON APR 7 *	0 ON MAR 1	14 400	1952
1953	---	0 ON MAR 1	0 ON MAR 1	0	1953
1954	18.3 AT 21:00 MST ON APR 6	9.48 ON APR 6	0B ON MAR 1	2 480	1954
1955	34.5 ON JUL 6	18.6 ON JUL 7	0B ON MAR 1	12 400	1955
1956	0.541 AT 19:00 MST ON APR 4	0.487 ON APR 4	0B ON MAR 1	325	1956
1957	3.45 AT 12:30 MST ON APR 1	3.17 ON APR 1	0 ON MAR 1	1 230	1957
1958	6.83 A AT 17:45 MST ON MAR 31	5.47 A ON MAR 31	0 ON MAR 1	2 290	1958
1959	8.94 AT 18:30 MST ON MAR 26	2.48 ON JUN 28	0 ON MAR 1	1 050	1959
1960	8.35 A AT 18:00 MST ON MAR 23	7.90 A ON MAR 23	0 ON MAR 1	3 310	1960
1961	5.21 AT 19:00 MST ON MAR 15	2.81 ON MAR 17	0 ON MAR 1	895	1961
1962	---	3.79 ON MAR 27	0 ON MAR 1	1 490	1962
1963	---	0.2108 ON MAR 2	0B ON MAR 16	50.3	1963
1964	---	0 ON MAR 1	0 ON MAR 1	0	1964
1965	18.7 AT 13:30 MST ON APR 20	7.93 B ON APR 14	0B ON MAR 1	2 770	1965
1966	3.71 AT 23:30 MST ON APR 2	1.22 ON APR 3	0 ON MAR 1	1 200	1966
1967	8.89 AT 19:30 MST ON APR 3	4.78 ON APR 4	0 ON MAR 1	5 920	1967
1968	0 AT 00:00 MST ON MAR 1	0 ON MAR 1	0 ON MAR 1	0	1968
1969	15.7 AT 09:00 MST ON APR 7	10.4 ON APR 7	0 ON MAR 1	2 850	1969
1970	---	0 ON MAR 1	0 ON MAR 1	0	1970
1971	0.181 AT 22:00 CST ON APR 8	0.025 ON APR 10	0 ON MAR 1	4.08	1971
1972	1.23 AT 18:45 MST ON MAR 17	0.368 ON MAR 17	0 ON MAR 1	41.3	1972
1973	0 AT 00:00 CST ON MAR 1	0 ON MAR 1	0 ON MAR 1	0	1973
1974	5.38 AT 18:00 CST ON APR 1	4.02 ON APR 1	0 ON MAR 1	2 800	1974
1975	2.78 A AT 01:00 CST ON APR 15	1.05 ON APR 20	0 ON MAR 1	1 050	1975
1976	5.69 B ON MAR 19	3.68 B ON MAR 19	0 ON MAR 1	1 840	1976
1977	---	0 ON MAR 1	0 ON MAR 1	0	1977
1978	21.5 B AT 19:30 CST ON APR 6	13.0 B ON APR 6	0B ON MAR 1	4 500	1978
1979	8.42 AT 18:00 CST ON MAR 24	3.43 ON MAR 24	0 ON MAR 1	3 880	1979
1980	3.33 AT 20:00 MST ON MAR 20	1.27 ON MAR 21	0 ON MAR 1	595	1980
1981	---	0 ON MAR 1	0 ON MAR 1	0	1981
1982	15.3 AT 20:00 CST ON APR 13	8.39 ON APR 14	0 ON MAR 1	4 480	1982
1983	1.74 AT 00:30 CST ON JUL 11	0.681 ON JUL 11	0 ON MAR 1	73.5	1983
1984	0 AT 00:00 CST ON MAR 1	0 ON MAR 1	0 ON MAR 1	0	1984
1985	---	0 ON MAR 1	0 ON MAR 1	0	1985
1986	39.6 AT 13:00 CST ON SEP 25 *	18.8 ON SEP 25	0 ON MAR 29	9 380	1986
1987	0.9408 AT 14:45 CST ON MAR 8	0.7158 ON MAR 8	0 ON APR 27	379	1987
1988	---	0 ON MAR 1	0 ON MAR 1	0	1988
				2 160	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)

B - ICE CONDITIONS

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

MACDONALD CREEK NEAR BOUNTY - STATION NO. 05HF005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1966	---	---	---	---	---	---	---	---	0	0	---	---	---	1966
1967	---	---	0	0.378	0.868	0.195	0.001	0	0	0	---	---	0.185	1967
1968	---	---	0.188	0.012	0.001	0.004	0	0	0.002	0.008	---	---	0.027	1968
1969	---	---	0	3.66	0.353	0.098	0.047	0.020	0	0.024	---	---	0.516	1969
1970	---	---	0	8.88	1.28	0.388	0.324	0.153	0.031	0.030	---	---	1.38	1970
1971	---	---	0	1.34	0.382	0.126	0.043	0	0	0	---	---	0.234	1971
1972	---	---	0.080	0.112	0.007	0.057	0.002	0	0	0	---	---	0.033	1972
1973	---	---	0.060	0.023	0.008	0	0	0	0	0	---	---	0.010	1973
1974	---	---	0	2.58	0.260	0.038	0.285	0.013	0.001	0.003	---	---	0.380	1974
1975	---	---	0	1.31	0.578	0.347	0.188	0.058	0.031	0.017	---	---	0.314	1975
1976	---	---	0.012	3.48	0.708	0.227	0.148	0.040	0.001	0	---	---	0.586	1976
1977	---	---	0.015	0.042	0.028	0.001	0	0	0	0	---	---	0.010	1977
1978	---	---	0.082	0.127	0.018	0.008	0	0	0	0	---	---	0.030	1978
1979	---	---	0	0.848	0.031	0.008	0.002	0	0	0	---	---	0.121	1979
1980	---	---	0.228	0.100	0	0	0	0	0	0	---	---	0.041	1980
1981	---	---	0.011	0.013	0.001	0.001	0	0	0	0	---	---	0.003	1981
1982	---	---	0	1.28	0.112	0.084	0.002	0.008	0	0	---	---	0.181	1982
1983	---	---	0.214	0.520	0.100	0.048	0.312	0.008	0.020	0.013	---	---	0.154	1983
1984	---	---	0.544	0.157	0.004	0.008	0	0	0	0	---	---	0.088	1984
1985	---	---	0.001	3.38	0.083	0.008	0	0	0	0	---	---	0.426	1985
1986	---	---	0.088	0.038	0.001	0.073	0	0	0	0	---	---	0.022	1986
1987	---	---	0.224	0.081	0.018	0.001	0	0	0	0	---	---	0.042	1987
1988	---	---	0.006	0.001	0	0	0	0	0	0	---	---	0.001	1988
MEAN	---	---	0.079	1.29	0.228	0.076	0.061	0.014	0.004	0.004	---	---	0.217	MEAN

LOCATION - LAT 51 31 56 N DRAINAGE AREA, 2 550 km²
LONG 107 24 44 W NATURAL FLOW

MACDONALD CREEK NEAR BOUNTY - STATION NO. 05HF005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1966	---	---		---	1966
1967	4.16 B AT 01:30 CST ON APR 29	3.17 B ON APR 29	0 ON AUG 22 *	---	1967
1968	---	1.21 B ON MAR 15	0B ON MAR 1	4 130	1968
1969	32.0 AT 05:00 CST ON APR 11 *	26.0 ON APR 11	0 ON MAY 2	570	1969
1970	30.8 AT 03:30 CST ON APR 10	26.6 ON APR 11 *	0B ON MAR 1	10 900	1970
1971	8.71 B AT 23:51 CST ON APR 10	5.47 B ON APR 10	0B ON MAR 1	28 800	1971
1972	1.03 B AT 00:01 CST ON MAR 24	0.8318 ON APR 3	0B ON MAR 1	4 850	1972
1973	0.8098 AT 14:50 CST ON MAR 20	0.3868 ON MAR 21	0B ON MAR 1	704	1973
1974	18.6 B AT 07:28 CST ON APR 20	18.5 B ON APR 20	0B ON MAR 1	220	1974
1975	8.83 AT 08:06 CST ON APR 20	8.33 ON APR 20	0B ON MAR 1	8 240	1975
1976	17.2 AT 00:26 CST ON APR 8	16.1 ON APR 7	0B ON MAR 1	6 840	1976
1977	0.238 AT 03:56 CST ON APR 10	0.210 ON APR 10	0B ON MAR 1	12 000	1977
1978	1.36 AT 08:06 CST ON MAR 29	0.932 ON MAR 29	0B ON MAR 1	218	1978
1979	4.51 AT 06:43 CST ON APR 18	4.31 ON APR 18	0B ON MAR 1	840	1979
1980	2.20 B AT 07:24 CST ON MAR 26	1.08 B ON MAR 29	0B ON MAR 1	2 570	1980
1981	0.070 AT 11:40 CST ON MAR 17	0.062 ON MAR 17	0B ON MAR 1	874	1981
1982	14.1 B AT 07:18 CST ON APR 17	8.38 B ON APR 17	0B ON MAR 1	88.1	1982
1983	4.40 B AT 00:22 CST ON MAR 31	3.16 B ON MAR 31	0B ON MAR 21	3 630	1983
1984	2.50 B AT 07:11 CST ON MAR 22	2.02 B ON MAR 21	0B ON MAR 1	3 250	1984
1985	13.6 AT 18:11 CST ON APR 9	12.5 ON APR 10	0B ON MAR 1	1 690	1985
1986	0.481 AT 03:46 CST ON JUN 5	0.440 ON JUN 4	0B ON MAR 1	8 010	1986
1987	0.7478 AT 21:41 CST ON MAR 26	0.5958 ON MAR 27	0B ON MAR 1	473	1987
1988	0.015 AT 00:00 CST ON MAR 22	0.0158 ON MAR 22	0B ON MAR 1	686	1988
				13.2	
				4 580	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

MACFARLANE RIVER AT OUTLET OF DAVY LAKE - STATION NO. 07MB001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1967	---	---	---	---	---	---	95.4	72.8	55.8	57.3	58.8	48.5	---	1967
1968	44.6	42.2	43.8	48.8	68.0	79.7	68.8	50.2	59.5	112	83.8	70.6	68.7	1968
1969	62.1	54.2	48.7	61.3	88.2	63.4	45.4	34.2	37.4	44.4	40.6	36.7	51.2	1969
1970	32.1	30.3	33.1	39.6	74.6	66.8	50.8	42.8	54.1	52.8	52.3	52.8	50.2	1970
1971	46.7	43.6	41.1	48.6	77.9	51.5	40.7	38.3	42.4	46.0	46.0	39.6	46.8	1971
1972	36.8	34.2	32.2	32.4	72.6	66.8	47.1	33.7	34.6	53.1	45.7	37.8	43.8	1972
1973	37.0	36.6	36.2	36.3	46.8	46.0	70.6	61.1	64.7	64.6	58.0	53.4	52.7	1973
1974	47.8	46.0	41.7	42.1	66.2	72.6	66.8	61.6	67.8	78.4	67.2	61.2	60.7	1974
1975	46.6	42.8	41.8	47.8	94.2	70.8	62.3	51.2	56.6	64.4	66.3	66.7	58.4	1975
1976	60.8	44.7	40.2	57.6	86.4	84.2	60.6	64.4	66.2	71.4	68.2	67.1	60.1	1976
1977	61.1	48.4	46.6	60.6	92.0	64.8	70.4	64.6	73.8	88.2	68.8	61.8	64.6	1977
1978	46.1	42.8	41.7	48.0	88.8	78.6	62.0	47.8	58.0	72.8	61.4	61.4	57.3	1978
1979	46.1	42.6	41.7	42.4	88.1	77.8	64.4	46.0	46.6	66.0	66.1	46.8	61.8	1979
1980	40.0	37.8	37.3	62.6	63.2	40.2	34.3	33.7	38.8	38.8	36.1	32.8	40.6	1980
1981	30.0	28.3	28.3	33.3	68.8	63.6	38.2	30.7	28.8	27.0	32.2	32.8	38.2	1981
1982	27.6	22.8	21.8	23.7	62.8	64.4	38.7	38.2	40.4	40.3	36.1	36.1	37.0	1982
1983	33.4	32.0	32.6	37.8	80.1	66.4	42.7	36.6	40.6	48.3	46.6	36.3	42.1	1983
1984	36.8	33.4	33.8	46.8	67.4	48.6	46.6	43.7	61.7	66.0	66.3	46.3	46.6	1984
1985	40.0	38.0	37.7	40.6	106	80.4	66.1	46.0	62.0	80.0	66.4	46.7	66.7	1985
1986	40.3	36.2	36.6	46.0	82.3	71.6	66.8	67.0	66.8	64.3	48.2	46.3	66.6	1986
1987	43.2	42.1	40.4	60.7	87.6	66.1	44.6	38.6	46.7	43.6	46.1	43.6	60.4	1987
1988	37.8	34.6	36.6	37.8	78.1	72.7	61.6	64.2	66.6	62.2	66.6	63.7	63.8	1988
MEAN	61.6	38.8	37.8	44.6	78.6	66.4	66.2	46.0	61.2	66.1	64.6	46.8	61.8	MEAN

LOCATION - LAT 66 66 00 N DRAINAGE AREA, 8 120 km²
LONG 106 10 30 W NATURAL FLOW

MACFARLANE RIVER AT OUTLET OF DAVY LAKE - STATION NO. 07MB001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1967	---	---	---	---	1967
1968	121 AT 15:00 CST ON OCT 17	117 ON OCT 15	41.9A ON JAN 31	2 110 000	1968
1969	95.1 AT 08:00 CST ON MAY 2	85.1 ON MAY 2	30.0 ON SEP 5	1 810 000	1969
1970	80.4 AT 12:00 CST ON MAY 27	80.1 ON MAY 27	28.7B ON FEB 5	1 580 000	1970
1971	88.3 AT 07:06 CST ON MAY 11	87.2 ON MAY 11	36.4 ON AUG 15	1 480 000	1971
1972	88.8 AT 22:26 CST ON MAY 24	86.3 ON MAY 24	30.3E ON AUG 25	1 390 000	1972
1973	---	86.8 ON JUL 25	38.0E ON MAR 29	1 680 000	1973
1974	---	102 E ON MAY 20	40.8 ON MAR 10	1 920 000	1974
1975	---	103 ON MAY 18	41.1 ON MAR 28	1 840 000	1975
1976	85.0 AT 18:08 CST ON MAY 10	83.4 ON MAY 10	38.4 ON MAR 7	1 800 000	1976
1977	113 AT 12:18 CST ON MAY 12	104 ON MAY 12	48.7E ON MAR 23	2 040 000	1977
1978	88.0 AT 22:42 CST ON MAY 18	87.7 ON MAY 18	40.6 ON MAR 4	1 810 000	1978
1979	89.0 AT 13:43 CST ON MAY 27	85.6 ON MAY 28	39.2 ON APR 5	1 840 000	1979
1980	---	78.0E ON APR 30	31.2 ON DEC 25	1 280 000	1980
1981	78.4 AT 13:15 CST ON MAY 16	77.8 ON MAY 16	23.8 ON OCT 8	1 140 000	1981
1982	78.8 AT 12:13 CST ON MAY 21	76.1 ON MAY 24	31.1 ON MAR 25 *	1 170 000	1982
1983	84.1 AT 09:21 CST ON MAY 11	83.1 ON MAY 11	29.5 ON APR 8	1 330 000	1983
1984	86.2 AT 00:22 CST ON OCT 25	82.9 ON OCT 25	32.0 ON MAR 14	1 470 000	1984
1985	130 AT 23:12 CST ON MAY 19 *	128 ON MAY 19 *	37 ON MAR 26	1 790 000	1985
1986	102 AT 13:34 CST ON MAY 23	97.7 ON MAY 17	34.3 ON MAR 22	1 780 000	1986
1987	110 AT 09:24 CST ON MAY 15	107 ON MAY 11	35.8 ON AUG 1	1 690 000	1987
1988	94.4 AT 06:26 CST ON MAY 24	92.5 ON MAY 24	33.4 ON FEB 10	1 710 000	1988
				1 630 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

MACLEOD TRIBUTARY NEAR BICKLEIGH - STATION NO. 05MF012

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1968	---	---	0.001	0	0	0	0	0	0	0	---	---	0	1968
1969	---	---	0	0.087	0	0	0	0	0	0.003	---	---	0.009	1969
1970	---	---	0	0.077	0	0	0	0	0	0	---	---	0.008	1970
1971	---	---	0	0.039	0	0.001	0.003	0	0	0	---	---	0.005	1971
1972	---	---	0.002	0.001	0	0	0	0	0	0	---	---	0	1972
1973	---	---	0.001	0.002	0	0	0	0	0	0	---	---	0	1973
MEAN	---	---	0.001	0.031	0	0	0.001	0	0	0.001	---	---	0.004	MEAN

LOCATION - LAT 51 18 44 N, LONG 108 24 05 W
DRAINAGE AREA, 18.4 km^2
NATURAL FLOW

MACLEOD TRIBUTARY NEAR BICKLEIGH - STATION NO. 05MF012

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1968	---	0.008A ON MAR 3	0E ON MAR 7 *	2.07	1968
1969	2.18 AT 18:20 CST ON APR 11 *	0.855 ON APR 11 *	0B ON MAR 1	181	1969
1970	1.85 AT 17:00 CST ON APR 9	0.586 ON APR 8	0B ON MAR 1	169	1970
1971	1.44 B AT 17:34 CST ON APR 8	0.402B ON APR 8	0B ON MAR 1	112	1971
1972	0.037B AT 17:24 CST ON APR 1	0.014B ON APR 1	0B ON MAR 1	8.74	1972
1973	0.018 AT 14:36 CST ON MAR 21	0.010B ON MAR 20	0B ON MAR 1	7.26	1973
				84.7	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

MACNAB CREEK NEAR SOMME - STATION NO. 05LB008

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1956	---	---	---	0.006	0.723	---	---	---	---	---	---	---	---	1956
1957	---	---	---	0.809	0.899	---	---	---	---	---	---	---	---	1957
1960	---	---	---	0.825	---	---	---	---	---	---	---	---	---	1960
1961	---	---	0	0	0	0	0	0	0	0	---	---	0	1961
1963	---	---	0	0	0	0	0	0	0	0	---	---	0	1963
1964	---	---	---	---	0.403	---	---	---	---	---	---	---	---	1964
1965	---	---	---	0.145	---	---	---	---	---	---	---	---	---	1965
1966	---	---	---	0.235	0.379	---	---	---	---	---	---	---	---	1966
1967	---	---	---	0.112	1.19	---	---	---	---	---	---	---	---	1967
1968	---	---	---	0.019	---	---	---	---	---	---	---	---	---	1968
1969	---	---	---	0.372	---	---	---	---	---	---	---	---	---	1969
1970	---	---	---	0.216	---	---	---	---	---	---	---	---	---	1970
1974	---	---	---	0.431	1.48	0.361	---	---	---	---	---	---	---	1974
1975	---	---	0	0.440	0.778	0.514	0.084	0.008	0.011	0.050	---	---	0.231	1975
1976	---	---	0	0.512	0.112	2.16	0.283	0.026	0.001	0.001	---	---	0.370	1976
1977	---	---	0	0.037	0.034	0.004	0	0	0	0	---	---	0.009	1977
1978	---	---	0	0.286	0.116	0.005	0	0	0	0	---	---	0.048	1978
1979	---	---	0	0.473	0.953	0.828	0.014	0	0	0	---	---	0.257	1979
1980	---	---	0.001	0.114	0	0	0	0	0	0	---	---	0.014	1980
1981	---	---	0.002	0.005	0	0	0	0	0	0	---	---	0.001	1981
1982	---	---	0	0.043	0.003	0.011	0	0	0	0	---	---	0.007	1982
1983	---	---	0	0.111	0.041	0.098	0.430	0.062	0	0	---	---	0.083	1983
1984	---	---	0.039	0.174	0.794	0.811	0.067	0	0	0	---	---	0.247	1984
1985	---	---	0	1.18	0.481	0.020	0.002	0.007	0	0.009	---	---	0.210	1985
1986	---	---	0.048	0.387	0.326	0.099	0	0.018	0.001	0	---	---	0.111	1986
1987	---	---	0	0.195	0.005	0.006	0	0	0	0	---	---	0.028	1987
1988	---	---	0	0.245	0.121	0	0	0	0	0	---	---	0.045	1988
MEAN	---	---	0.008	0.287	0.384	0.285	0.053	0.008	0.001	0.004	---	---	0.105	MEAN

LOCATION - LAT 52 36 29 N DRAINAGE AREA, 87.8 km²
LONG 102 57 57 W NATURAL FLOW

REMARKS - RECORDS PRIOR TO 1977 COLLECTED IN SE05-42-07-W2

MACNAB CREEK NEAR SOMME - STATION NO. 05LB008

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1956	---	---	---	---	1956
1957	---	---	---	---	1957
1960	---	---	---	---	1960
1961	---	0 ON MAR 1	0 ON MAR 1 *	0	1961
1963	---	0 ON MAR 1	0 ON MAR 1	0	1963
1964	---	---	---	---	1964
1965	---	---	---	---	1965
1966	---	---	---	---	1966
1967	---	---	---	---	1967
1968	---	---	---	---	1968
1969	---	---	---	---	1969
1970	---	---	---	---	1970
1974	---	---	---	---	1974
1975	---	1.85 ON APR 29	OB ON MAR 1	4 800	1975
1976	---	5.75 ON JUN 25 *	OB ON MAR 1	8 010	1976
1977	---	0.167 ON APR 12	OB ON MAR 1	198	1977
1978	---	0.8868 ON APR 18	OB ON MAR 1	1 010	1978
1979	---	3.28 ON JUN 7	OB ON MAR 1	5 450	1979
1980	0.691 AT 08:15 CST ON APR 8	0.486 ON APR 8	OB ON MAR 1	298	1980
1981	0.162 AT 05:19 CST ON APR 7	0.081 ON APR 7	OB ON MAR 1	17.1	1981
1982	0.397 AT 17:45 CST ON APR 15	0.348 ON APR 15	OB ON MAR 1	148	1982
1983	1.53 AT 17:54 CST ON APR 22	1.20 ON JUL 4	OB ON MAR 1	1 970	1983
1984	2.80 AT 17:35 CST ON JUN 8	2.61 ON JUN 8	OB ON MAR 1	5 220	1984
1985	3.97 AT 19:19 CST ON APR 21 *	3.54 ON APR 22	OB ON MAR 1	4 440	1985
1986	---	1.20 B ON APR 1	OB ON MAR 1	2 340	1986
1987	2.22 B AT 02:57 CST ON APR 5	1.94 B ON APR 5	OB ON MAR 1	543	1987
1988	3.08 B AT 18:57 CST ON APR 11	1.38 B ON APR 11	OB ON MAR 1	959	1988
				2 220	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

MAGNUSSON CREEK NEAR WYNYARD - STATION NO. 05MA021

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1964	---	---	---	0.271	0.037	---	---	---	---	---	---	---	---	1964
1965	---	---	---	0.491	0.007	---	---	---	---	---	---	---	---	1965
1966	---	---	---	0.488	0.076	---	---	---	---	---	---	---	---	1966
1967	---	---	---	0.870	0.122	0	---	---	---	---	---	---	---	1967
1968	---	---	---	---	0.007	---	---	---	---	---	---	---	---	1968
1970	---	---	0.118	1.08	---	---	---	---	---	---	---	---	---	1970
1971	---	---	---	2.22	---	---	---	---	---	---	---	---	---	1971
1972	---	---	0.387	1.23	0.028	---	---	---	---	---	---	---	---	1972
1973	---	---	0.029	0.009	0.005	0.089	0.058	0	0	0	---	---	0.024	1973
1974	---	---	0	0.944	0.471	0.198	0	0.002	0.121	0.023	---	---	0.217	1974
1975	---	---	0	2.92	0.325	0.012	0	0	0	0	---	---	0.400	1975
1976	---	---	0	1.11	0.008	0.015	0.005	0	0	0	---	---	0.139	1976
1977	---	---	0	0.052	0.220	0.006	0	0	0	0	---	---	0.035	1977
1978	---	---	0.344	0.305	0.008	0	0.157	0	0	0	---	---	0.102	1978
1979	---	---	0	2.42	0.238	0.007	0	0	0	0	---	---	0.328	1979
1980	---	---	0	0.880	0	0	0	0	0	0	---	---	0.105	1980
1981	---	0.011	0.007	0	0	0	0	0.002	0	0	---	---	0.001	1981
1982	---	---	0.002	0.293	0.001	0.001	0	0	0	0	---	---	0.038	1982
1983	---	---	0	0.338	0.007	0	0.635	0.024	0	0	---	---	0.121	1983
1984	---	---	0.104	0.054	0.010	0.014	0	0	0	0	---	---	0.023	1984
1985	---	---	0.102	2.05	0.068	0.001	0	0	0	0	---	---	0.273	1985
1986	---	---	0.432	0.122	0.010	0	0	0	0	0	---	---	0.071	1986
1987	---	---	0.138	0.056	0	0	0	0	0	0	---	---	0.024	1987
1988	---	---	0.003	0.280	0	0	0	0	0	0	---	---	0.035	1988
MEAN	---	0.011	0.093	0.805	0.075	0.020	0.083	0.002	0.008	0.001	---	---	0.121	MEAN

LOCATION - LAT 51 46 52 N DRAINAGE AREA, 121 km²
LONG 104 12 11 W NATURAL FLOW

MAGNUSSON CREEK NEAR WYNYARD - STATION NO. 05MA021

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1964	---	---	---	---	1964
1965	---	---	---	---	1965
1966	---	---	---	---	1966
1967	---	---	---	---	1967
1968	---	---	---	---	1968
1970	---	---	---	---	1970
1971	---	17.0 B ON APR 8	0E ON APR 1 *	---	1971
1972	---	3.86 ON APR 3	0E ON MAR 1	---	1972
1973	0.507 AT 05:35 CST ON JUN 5	0.438 ON JUN 5	0E ON MAR 1	500	1973
1974	8.43 AT 12:26 CST ON APR 19	6.77 B ON APR 19	0E ON MAR 1	6 800	1974
1975	28.9 AT 02:46 CST ON APR 29 *	20.7 ON APR 29 *	0E ON MAR 1	8 470	1975
1976	11.6 B AT 08:21 CST ON APR 6	7.73 B ON APR 6	0E ON MAR 1	2 940	1976
1977	7.50 AT 09:43 CST ON MAY 25	3.71 ON MAY 25	0E ON MAR 1	739	1977
1978	5.21 B AT 11:06 CST ON MAR 29	4.11 B ON MAR 29	0E ON MAR 1	2 160	1978
1979	20.4 B AT 09:35 CST ON APR 21	15.1 B ON APR 21	0E ON MAR 1	6 940	1979
1980	11.4 B AT 14:46 CST ON APR 4	6.70 B ON APR 4	0E ON MAR 1	2 230	1980
1981	0.2128 AT 13:18 CST ON MAR 17	0.2708 ON MAR 17	0E ON MAR 5	26.0	1981
1982	2.12 AT 11:40 CST ON APR 14	1.87 ON APR 14	0E ON MAR 1	785	1982
1983	4.72 AT 13:28 CST ON JUL 22	3.78 ON JUL 22	0E ON MAR 1	2 560	1983
1984	0.9778 AT 12:20 CST ON MAR 26	0.7688 ON MAR 26	0E ON MAR 1	482	1984
1985	17.1 AT 20:04 CST ON APR 2	11.5 ON APR 2	0E ON MAR 1	5 770	1985
1986	2.56 B AT 23:48 CST ON MAR 28	2.15 B ON MAR 28	0E ON MAR 1	1 800	1986
1987	1.43 B AT 14:36 CST ON MAR 7	1.05 B ON MAR 7	0E ON MAR 1	513	1987
1988	2.25 B AT 20:20 CST ON APR 3	1.91 B ON APR 3	0E ON MAR 1	731	1988
				2 580	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

MAKWA RIVER AT OUTLET OF MAKWA LAKE - STATION NO. 06AD003

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1967	---	---	---	---	0.285	---	---	---	---	---	---	---	---	1967
1968	---	---	---	---	0.744	---	---	---	---	---	---	---	---	1968
1970	---	---	---	---	2.48	---	---	---	---	---	---	---	---	1970
1972	---	---	---	3.84	---	---	---	---	---	---	---	---	---	1972
1973	---	---	---	1.30	3.89	---	---	---	---	---	---	---	---	1973
1974	---	---	---	2.38	11.4	18.1	---	---	---	---	---	---	---	1974
1975	---	---	0.992	1.35	3.38	2.63	3.70	3.04	1.78	3.33	---	---	2.50	1975
1976	---	---	1.01	0.555	0.098	0.017	0.032	0.032	0.043	0.034	---	---	0.223	1976
1977	---	---	0	0.180	0.488	0.187	0.283	0.842	0.420	0.271	---	---	0.283	1977
1978	---	---	0.738	3.12	2.82	2.31	0.857	0.026	0.028	0.034	---	---	1.20	1978
1979	---	---	0.206	0.853	2.05	2.61	1.89	0.728	0.423	0.285	---	---	1.06	1979
1980	---	---	0.578	2.89	0.609	0.187	0.011	0.013	0.013	0.030	---	---	0.505	1980
1981	---	---	0.182	1.80	0.845	0.017	0.043	0.041	0.011	0.025	---	---	0.364	1981
1982	---	---	0.002	0.008	0.048	0.105	0.188	0.328	0.118	0.089	---	---	0.111	1982
1983	---	---	0.128	0.381	0.387	0.123	0.198	0.078	0.051	0.014	---	---	0.184	1983
1984	---	---	0.116	0.282	0.502	1.87	0.951	0.271	0.031	0.033	---	---	0.478	1984
1985	---	---	0.188	1.08	3.01	1.70	0.401	0.071	0.039	0.005	---	---	0.811	1985
1986	---	---	0.277	0.700	1.18	1.72	1.81	5.41	2.21	0.818	---	---	1.78	1986
1987	---	---	0.853	1.78	2.47	1.11	0.500	0.288	0.130	0.044	---	---	0.858	1987
1988	---	---	0.223	0.744	0.818	0.553	0.493	0.482	0.458	0.301	---	---	0.508	1988
MEAN	---	---	0.368	1.35	1.98	2.05	0.783	0.811	0.411	0.378	---	---	0.777	MEAN

LOCATION - LAT 54 04 40 N DRAINAGE AREA 1 420 km²
LONG 109 12 00 W REGULATED

MAKWA RIVER AT OUTLET OF MAKWA LAKE - STATION NO. 06AD003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1967	---	---	---	---	1967
1968	---	---	---	---	1968
1970	---	---	---	---	1970
1972	---	---	---	---	1972
1973	---	---	---	---	1973
1974	---	---	---	---	1974
1975	---	5.52 E ON OCT 30	0.923 ON APR 10	53 000	1975
1976	---	1.24 ON APR 13	0.003 ON JUN 18	4 720	1976
1977	---	0.891 ON AUG 8	0 B ON MAR 1 *	8 190	1977
1978	3.77 AT 12 34 CST ON APR 26	3.74 ON APR 26	0.026 ON JUL 17	25 300	1978
1979	2.95 AT 08 18 CST ON JUN 18	2.91 ON JUN 18	0.142E ON OCT 31	22 800	1979
1980	5.01 AT 02 07 CST ON APR 12	4.72 ON APR 12	0.001 ON JUL 30	10 800	1980
1981	2.67 B AT 12 40 CST ON APR 5	2.44 B ON APR 5	0.001 ON JUN 21	7 700	1981
1982	0.514 AT 13 48 CST ON AUG 22	0.501 ON AUG 22	0.0018 ON MAR 1	2 250	1982
1983	0.873 AT 18 46 CST ON MAY 2	0.857 ON MAY 7	0.006 ON OCT 24	3 450	1983
1984	2.58 AT 13 02 CST ON JUN 30	2.09 ON JUN 17	0.009 ON SEP 20	10 100	1984
1985	3.78 AT 13 07 CST ON MAY 8	3.53 ON MAY 8	0.001E ON OCT 5	17 200	1985
1986	8.78 AT 13 30 CST ON AUG 15 *	8.55 ON AUG 12 *	0.1508 ON MAR 1	27 700	1986
1987	3.63 AT 22 03 CST ON MAY 4	3.40 ON MAY 5	0.032 ON OCT 18	18 200	1987
1988	1.20 AT 10 48 CST ON APR 30	1.12 ON MAY 3	0.113 ON AUG 5	10 700	1988
				18 400	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

MAKWA RIVER AT RAPID VIEW - STATION NO. 06AD007

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1980	---	---	---	29.3	20.0	10.4	8.02	4.80	---	---	---	---	---	1980
1981	---	---	---	8.78	4.56	2.53	1.88	---	---	---	---	---	---	1981
1982	---	---	---	8.06	8.95	5.66	0.781	---	---	---	---	---	---	1982
1983	---	---	---	9.63	8.74	5.70	2.76	---	---	---	---	---	---	1983
1984	---	---	---	0.977	1.20	---	---	---	---	---	---	---	---	1984
1985	---	---	---	12.0	11.4	28.2	---	---	---	---	---	---	---	1985
1986	---	---	---	---	2.19	---	---	---	---	---	---	---	---	1986
1971	---	---	1.34	12.1	5.48	2.50	1.79	2.22	1.49	1.12	---	---	2.48	1971
1972	---	---	0.926	9.67	8.59	3.18	1.30	0.381	0.317	0.576	---	---	2.26	1972
1973	---	---	0.796	8.11	7.09	5.50	5.82	1.48	0.888	1.44	---	---	3.59	1973
1974	---	---	1.83	20.3	23.6	18.4	12.6	8.01	4.38	1.90	---	---	11.4	1974
1975	---	---	2.10	13.1	7.78	5.71	14.5	4.38	2.87	0.837	---	---	6.37	1975
1976	---	---	0.870	4.89	1.02	0.758	0.918	1.26	0.788	0.336	---	---	1.26	1976
1977	---	---	0.087	3.73	5.92	2.11	0.436	1.30	1.03	0.806	---	---	1.93	1977
1978	---	---	0.488	8.99	13.3	3.98	0.748	0.088	0.088	0.111	---	---	3.41	1978
1979	---	---	0	4.82	10.0	4.86	2.47	0.805	0.498	0.380	---	---	3.08	1979
1980	---	---	0.382	8.22	1.84	0.424	0.083	0.203	0.978	0.883	---	---	1.36	1980
1981	---	---	0.882	5.06	1.80	0.128	0.082	0.078	0.048	0.080	---	---	1.01	1981
1982	---	---	0	3.78	3.42	0.883	0.858	0.870	0.382	0.849	---	---	1.38	1982
1983	---	---	0.248	2.58	1.18	1.18	1.08	0.298	0.804	0.721	---	---	1.00	1983
1984	---	---	0.447	4.16	5.16	9.86	2.38	0.923	0.523	0.891	---	---	2.98	1984
1985	---	---	0.454	8.81	10.1	4.78	1.46	0.897	0.309	0.336	---	---	3.46	1985
1986	---	---	0.879	8.89	3.78	3.78	3.46	10.9	3.86	1.49	---	---	4.19	1986
1987	---	---	0.816	9.11	3.89	1.46	0.732	0.418	0.291	0.420	---	---	2.07	1987
1988	---	---	0.238	4.63	1.30	1.52	5.21	4.20	8.43	1.87	---	---	3.84	1988
MEAN	---	---	0.884	8.50	8.87	5.38	3.18	2.14	1.88	0.835	---	---	3.27	MEAN

LOCATION - LAT 54 08 50 N DRAINAGE AREA 2 740 km²
LONG 108 48 20 W REGULATED

MAKWA RIVER AT RAPID VIEW - STATION NO. 06AD007

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1960	---	---	---	---	1960
1961	---	---	---	---	1961
1962	---	---	---	---	1962
1963	---	---	---	---	1963
1964	---	---	---	---	1964
1965	---	---	---	---	1965
1966	---	---	---	---	1966
1971	37.4 AT 18:00 CST ON APR 17	35.0 ON APR 18	0.527 ON OCT 23	73 700	1971
1972	22.0 AT 16:00 CST ON APR 20	20.7 ON APR 20	0 ON AUG 27 *	86 800	1972
1973	20.8 AT 13:00 CST ON APR 18	18.7 ON APR 17	0.186 ON SEP 1	76 000	1973
1974	59.2 AT 15:59 CST ON APR 22 *	58.9 ON APR 22 *	1.13 E ON OCT 23	242 000	1974
1975	---	27.2 E ON APR 18	0.490 ON OCT 10	135 000	1975
1976	---	15.1 ON APR 9	0.183 ON OCT 13	28 800	1976
1977	---	19.2 ON MAY 28	0.0648 ON MAR 1	40 900	1977
1978	23.2 AT 14:30 CST ON APR 15	20.8 B ON APR 15	0 ON AUG 11	72 200	1978
1979	29.8 B AT 03:14 CST ON APR 27	28.5 ON APR 28	0 B ON MAR 1	65 300	1979
1980	18.2 AT 18:48 CST ON APR 17	18.0 ON APR 18	0.004E ON JUL 14	28 300	1980
1981	10.5 AT 08:00 CST ON APR 5	9.348 ON APR 5	0 E ON SEP 17	21 300	1981
1982	15.2 AT 12:02 CST ON APR 27	15.1 ON APR 27	0 B ON MAR 1	26 800	1982
1983	8.72 AT 00:27 CST ON APR 14	7.53 ON APR 14	0.184 ON SEP 7	21 200	1983
1984	13.5 AT 15:02 CST ON MAY 31	13.3 ON MAY 30	0.2558 ON MAR 1	82 800	1984
1985	20.1 AT 18:30 CST ON APR 12	19.3 ON APR 12	0.180 ON OCT 15	72 800	1985
1986	15.7 AT 08:30 CST ON AUG 10	14.6 ON AUG 9	0.3078 ON MAR 16	56 800	1986
1987	25.7 AT 00:45 CST ON APR 13	25.1 ON APR 13	0.245 ON SEP 21	43 800	1987
1988	17.0 AT 23:42 CST ON AUG 31	17.0 ON SEP 1	0.1488 ON MAR 1	75 000	1988
	B - ICE CONDITIONS E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		69 200	MEAN

MAKWA RIVER NEAR BROWN'S FARM - STATION NO. 06AD002

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1933	---	---	---	---	9.80	13.0	5.63	2.48	3.08	---	---	---	---	1933
1934	---	---	---	---	5.49	3.08	3.18	1.55	0.903	0.748	---	---	2.80	1934
1935	---	---	---	---	5.05	2.81	1.94	1.35	0.812	0.804	---	---	2.18	1935
1936	---	---	---	---	2.80	1.61	1.18	0.848	0.588	0.887	---	---	1.25	1936
1937	---	---	---	---	2.58	1.41	0.894	0.678	0.490	0.372	---	---	1.05	1937
1938	---	---	---	---	1.21	0.808	0.356	0.102	0.041	0.088	---	---	0.431	1938
1939	---	---	---	---	1.85	0.833	0.543	0.088	0.040	0.130	---	---	0.848	1939
1940	---	---	---	---	0.428	0.300	0.114	0.050	0.021	0.080	---	---	0.182	1940
MEAN	---	---	---	---	3.80	3.01	1.73	0.887	0.737	0.424	---	---	1.18	MEAN

LOCATION - LAT 54 12 00 N
LONG 108 47 00 W

DRAINAGE AREA, 2 950 km^2
NATURAL FLOW

MAKWA RIVER NEAR BROWN'S FARM - STATION NO. 06AD002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1933	---	17.8 ON JUN 1 *	---	---	1933
1934	---	13.6 ON MAY 1	0.880 ON OCT 30	39 700	1934
1935	---	9.97 ON MAY 1	0.527 ON SEP 24	34 100	1935
1936	---	4.11 ON MAY 3	0.488 ON AUG 11	19 800	1936
1937	---	3.28 ON MAY 12	0.326 ON SEP 18	16 700	1937
1938	---	1.47 ON JUN 1	0.005 ON SEP 7 *	8 650	1938
1939	---	2.44 ON MAY 1	0.023 ON SEP 7	8 680	1939
1940	---	0.834 ON MAY 1	0.017 ON SEP 30	2 670	1940
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		18 400	MEAN

MALONECK CREEK NEAR PELLY - STATION NO. 09LE011

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1985	---	---	---	1.47	---	---	---	---	---	---	---	---	---	1985
1986	---	---	---	3.31	1.33	---	---	---	---	---	---	---	---	1986
1987	---	---	---	0.887	3.80	---	---	---	---	---	---	---	---	1987
1988	---	---	---	2.15	---	---	---	---	---	---	---	---	---	1988
1970	---	---	---	1.98	1.38	---	---	---	---	---	---	---	---	1970
1971	---	---	---	3.83	---	---	---	---	---	---	---	---	---	1971
1974	---	---	0.006	2.90	2.88	0.348	0	0.043	0.124	0.170	---	---	0.817	1974
1975	---	---	0.084	3.02	1.20	1.02	0.211	0.034	0.207	0.085	---	---	0.724	1975
1976	---	---	0	3.00	0.254	1.97	0.293	0.016	0	0	---	---	0.679	1976
1977	---	---	0	0.805	0.188	0.061	0	0.014	0.147	0.083	---	---	0.158	1977
1978	---	---	0	1.43	0.188	0.035	0.010	0	0	0.023	---	---	0.207	1978
1979	---	---	0.001	2.08	2.40	0.281	0.002	0	0	0	---	---	0.580	1979
1980	---	---	0	1.06	0.024	0.002	0	0	0	0	---	---	0.133	1980
1981	---	---	0.035	0.188	0.081	0.013	0.001	0	0	0	---	---	0.041	1981
1982	---	---	0	0.008	0.004	0.081	0.126	0.013	0.001	0.001	---	---	0.025	1982
1983	---	---	0	1.82	0.818	0.124	1.89	0.284	0.010	0.054	---	---	0.586	1983
1984	---	---	0.183	1.81	1.76	1.18	0.044	0.001	0.008	0.048	---	---	0.588	1984
1985	---	---	0.006	3.11	0.478	0.188	0.011	0.006	0.004	0.035	---	---	0.470	1985
1986	---	---	0.040	2.86	0.884	0.203	0.337	0.045	0.011	0.100	---	---	0.491	1986
1987	---	---	0.007	2.12	0.118	0.148	0.212	0.029	0.003	0.068	---	---	0.334	1987
1988	---	---	0.001	4.12	4.15	0.068	0.001	0	0	0	---	---	1.04	1988
MEAN	---	---	0.024	1.99	1.19	0.377	0.188	0.032	0.034	0.048	---	---	0.459	MEAN

LOCATION - LAT 51 58 08 N, LONG 101 54 50 W. DRAINAGE AREA, 180 km². NATURAL FLOW

MALONECK CREEK NEAR PELLY - STATION NO. 09LE011

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1985	---	---	---	---	1985
1986	---	---	---	---	1986
1987	---	---	---	---	1987
1988	---	---	---	---	1988
1970	---	---	---	---	1970
1971	---	---	---	---	1971
1974	17.4 B AT 22:10 CST ON APR 19	13.5 B ON APR 21	0 ON JUN 28 *	17 300	1974
1975	12.6 B AT 18:29 CST ON APR 22	9.49 ON APR 25	B ON AUG 8	15 300	1975
1976	15.7 B AT 19:55 CST ON APR 8	10.8 B ON APR 12	0 B ON MAR 1	14 400	1976
1977	4.11 AT 10:45 CST ON APR 12	3.62 ON APR 14	0 B ON MAR 1	3 380	1977
1978	---	8.01 B ON APR 20	0 B ON MAR 1	4 380	1978
1979	11.6 AT 23:14 CST ON APR 27	10.7 ON APR 28	0 B ON MAR 1	12 500	1979
1980	8.80 AT 19:42 CST ON APR 14	6.42 ON APR 14	0 B ON MAR 1	2 800	1980
1981	---	0.3508 ON APR 8	0 B ON MAR 1	884	1981
1982	0.897 AT 11:29 CST ON JUL 20	0.858 ON JUL 20	B B ON MAR 1	558	1982
1983	13.4 AT 19:52 CST ON APR 25	12.2 ON APR 25	0 B ON MAR 1	12 400	1983
1984	4.80 B AT 18:01 CST ON APR 3	3.98 ON MAY 19	0 ON AUG 28	12 500	1984
1985	12.7 AT 13:15 CST ON APR 16	9.38 ON APR 16	0.0018 ON MAR 2	9 850	1985
1986	17.3 B AT 23:48 CST ON APR 8	12.7 B ON APR 6	B B ON MAR 1	10 400	1986
1987	12.1 B AT 18:24 CST ON APR 5	9.23 B ON APR 6	0 B ON MAR 1	7 070	1987
1988	33.8 AT 20:33 CST ON MAY 2 *	28.9 ON MAY 3 *	0 B ON MAR 1	22 000	1988
				9 720	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

MANN DITCH NEAR SKULL CREEK - STATION NO. 08HA031

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1915	---	---	0	0.022	0.002	0	0	0	0	0	---	---	0.003	1915
1918	---	---	---	---	---	---	---	---	---	---	---	---	---	1918
1919	---	---	0.004	0.014	0	0	0	0	0	0	---	---	0.002	1919
1920	---	---	0.030	0.018	0	0	0	0	0	0	---	---	0.008	1920
MEAN	---	---	0.011	0.018	0.001	0	0	0	0	0	---	---	0.004	MEAN

LOCATION - LAT 49 52 15 N, LONG 108 57 40 W. REGULATED

MANN DITCH NEAR SKULL CREEK - STATION NO. 05HA031

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1915	---	---	---	---	1915
1916	---	0.078 ON APR 2	0 ON MAR 1 *	61.8	1916
1918	---	---	OR ON MAY 2	---	1918
1919	---	0.085 ON MAR 31	0 ON MAR 1	46.8	1919
1920	---	0.142 ON MAR 21 *	0 ON MAR 1	132	1920
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		80.2	MEAN
		R - REVISED SINCE JAN 01 1967			

MANYBONE CREEK NEAR KRONAU - STATION NO. 05JF007

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1947	---	---	0	0.900	0.097	0.035	---	---	---	---	---	---	---	1947
1948	---	---	0	0.835	0.113	0.018	0	0	0	0	---	---	---	1948
1950	---	---	0	0.081	0	0	---	---	---	---	---	---	---	1950
MEAN	---	---	0	0.609	0.070	0.024	0	0	0	0	---	---	---	MEAN

LOCATION - LAT 50 17 01 N LONG 104 14 47 W
DRAINAGE AREA, 197 km^2
NATURAL FLOW

MANYBONE CREEK NEAR KRONAU - STATION NO. 05JF007

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1947	---	4.22 ON APR 16		---	1947
1948	---	8.80 ON APR 23 *	0 ON MAR 1 *	---	1948
1950	---		OR ON MAR 1	---	1950
		1.980 ON APR 15	OR ON MAR 1	---	MEAN
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD			

MAPLE CREEK ABOVE BIGSTICK LAKE - STATION NO. 05HA055

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1944	---	---	0	0	0	0	0	0	0	0	---	---	---	1944
1945	---	---	0	0	0	0	0	0	0	0	---	---	---	1945
1948	---	---	0	0	0	0	0	0	0	0	---	---	---	1948
MEAN	---	---	0	0	0	0	0	0	0	0	---	---	---	MEAN

LOCATION - LAT 50 11 10 N LONG 109 27 10 W
DRAINAGE AREA, 3 180 km^2
REGULATED

MAPLE CREEK ABOVE BIGSTICK LAKE - STATION NO. 05HA055

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1944	---			---	1944
1945	---	0 ON MAR 1 *	0 ON MAR 1 *	---	1945
1948	---	0 ON MAR 1	0 ON MAR 1	---	1948
		0 ON MAR 1	0 ON MAR 1	---	MEAN
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD			

MAPLE CREEK ABOVE JUNCTION RESERVOIR - STATION NO. 05NA005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1908	---	---	---	---	---	---	---	---	---	---	---	---	---	1908
1909	---	---	---	1.00	1.08	---	0.392	0.004	0.001	0.001	---	---	---	1909
1910	---	---	---	0.028	0.005	0.004	0.001	0.001	0	0	---	---	---	1910
1911	---	---	---	1.28	0.248	---	---	0	0.025	0.034	---	---	---	1911
1912	---	---	---	3.10	0.476	0.241	0.004	0.017	0	0	---	---	---	1912
1913	---	---	---	1.38	0.203	0.082	0.002	0	0	0	---	---	---	1913
1914	---	---	---	0.578	0.076	0.001	0	0	0	0.238	---	---	---	1914
1915	---	---	---	0.871	---	---	---	---	---	---	---	---	---	1915
1944	---	---	0.287	0.177	0.004	0.008	0.023	0.002	0	0	---	---	0.084	1944
1945	---	---	0.087	0.002	0.018	0.032	0	0	0	0	---	---	0.015	1945
1946	---	---	0.483	0.084	0.087	0.211	0.043	---	---	---	---	---	---	1946
1947	---	---	0.510	1.05	0.045	0.028	0.023	0.177	0.029	0.024	---	---	0.238	1947
1948	---	---	0.015	0.821	0.184	0.083	0.028	0.011	0	0	---	---	0.135	1948
1949	---	---	---	0	0	0	0	---	---	---	---	---	---	1949
1950	---	---	0	0.185	0.018	0.004	0.001	0.001	0	0	---	---	0.028	1950
1951	---	---	0	2.89	0.981	0.114	0.011	0.003	0.001	0	---	---	0.494	1951
1952	---	0.222	0.788	2.75	0.281	0.042	0.008	0.002	0	0.001	---	---	0.472	1952
1953	---	---	0.178	0.861	0.818	0.781	0.118	0.013	0.002	0.001	---	---	0.318	1953
1954	---	0.073	0.028	0.403	0.263	0.282	0.034	0.041	0.008	0.017	---	---	0.134	1954
1955	---	---	0.230	5.79	1.32	0.087	0.308	0.017	0.004	0.003	---	---	1.08	1955
1956	---	---	0.273	0.428	0.116	0.018	0.007	0.001	0	0	---	---	0.105	1956
1957	---	0.018	0.008	0.184	0.085	0.011	0.042	0.001	0.001	0	---	---	0.035	1957
1958	---	---	0	0.053	0.012	0.002	0.004	0.022	0	0	---	---	0.012	1958
1959	---	---	0.021	0.028	0.024	0.014	0.024	0.008	0	0.007	---	---	0.016	1959
1960	---	---	0.188	0.048	0.025	0.001	0.002	0.028	0.110	0.002	---	---	0.050	1960
1961	---	---	0.001	0.014	0.007	0	0	0	0	0	---	---	0.003	1961
1962	---	---	0	0	0.004	0.017	0.037	0.008	0	0	---	---	0.008	1962
1963	---	0.154	0.004	0.001	0.028	0.029	0.014	0	0	0	---	---	0.009	1963
1964	---	---	0	0	0.026	0	0.007	0	0	0	---	---	0.004	1964
1965	---	---	0	0.458	0.078	0.128	0.111	0.014	0.003	0.010	---	---	0.089	1965
1966	---	---	0.087	0.142	0.088	0.073	0.038	0.018	0.018	0	---	---	0.058	1966
1967	---	---	0.141	0.548	1.52	0.100	0.042	0.005	0	0	---	---	0.285	1967
1968	---	---	0.015	0.022	0.017	0.003	0.005	0.028	0.007	0.002	---	---	0.013	1968
1969	---	---	0.078	0.248	0.227	0.017	0.111	0.030	0	0.003	---	---	0.089	1969
1970	---	---	0.019	0.589	0.887	0.125	0.182	0.040	0.040	0.001	---	---	0.211	1970
1971	---	0.164	0.035	0.805	0.377	0.049	0.058	0.028	0.004	0.013	---	---	0.170	1971
1972	---	---	0.041	0.025	0.033	0.141	0.025	0.010	0	0.010	---	---	0.035	1972
1973	---	---	0.033	0.030	0.011	0.002	0	0	0	0	---	---	0.008	1973
MEAN	---	0.126	0.121	0.750	0.281	0.079	0.049	0.015	0.007	0.011	---	---	0.150	MEAN

LOCATION - LAT 49 54 43 N
LONG 109 29 14 W

DRAINAGE AREA, 483 km²
REGULATED

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1963

MAPLE CREEK ABOVE JUNCTION RESERVOIR - STATION NO. 05HA008

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1908	---	---	OR ON MAY 6 *	---	1908
1909	---	---	---	---	1909
1910	---	---	0 ON JUL 11	---	1910
1911	---	---	0 ON JUL 27	---	1911
1912	---	---	0 ON JUL 22	---	1912
1913	---	---	0 ON AUG 1	---	1913
1914	---	---	0E ON JUN 7	---	1914
1915	---	---	---	---	1915
1944	---	4.19 B ON MAR 18	0B ON MAR 27	1 380	1944
1945	---	0.2558 ON MAR 15	0B ON MAR 1	318	1945
1946	---	1.98 ON MAR 26	0B ON MAR 1	---	1946
1947	---	2.72 B ON MAR 23	0B ON MAR 1	4 880	1947
1948	---	3.88 ON APR 16	0B ON MAR 1	2 850	1948
1949	---	---	0 ON APR 1	---	1949
1950	---	1.12 ON APR 17	0B ON MAR 1	544	1950
1951	---	8.71 ON APR 30	0B ON MAR 1	10 500	1951
1952	---	8.04 ON APR 7	0B ON MAR 1	8 930	1952
1953	---	5.83 ON JUN 4	0B ON MAR 1	5 890	1953
1954	---	3.88 ON JUN 12	0B ON MAR 1	2 840	1954
1955	49.0 AT 07:00 MST ON APR 10 *	37.4 ON APR 10 *	0B ON MAR 1	22 900	1955
1956	---	2.04 B ON MAR 27	0B ON MAR 1	2 220	1956
1957	---	0.548 ON APR 23	0B ON MAR 1	739	1957
1958	---	0.418 ON AUG 23	0B ON MAR 1	245	1958
1959	---	0.306 ON APR 16	0B ON MAR 1	330	1959
1960	---	0.7658 ON MAR 19	0B ON MAR 1	1 080	1960
1961	---	0.042 ON APR 28	0B ON MAR 1	59.2	1961
1962	---	0.130 ON MAY 31	0 ON MAR 1	188	1962
1963	---	0.099 ON MAY 21	0B ON MAR 1	200	1963
1964	---	0.196 ON MAY 8	0 ON MAR 1	88.1	1964
1965	---	2.02 ON JUN 27	0B ON MAR 1	2 080	1965
1966	---	0.3468 ON MAR 14	0B ON MAR 1	1 250	1966
1967	---	8.85 ON MAY 8	0B ON MAR 11	8 250	1967
1968	---	0.0578 ON MAR 2	0B ON MAR 14	265	1968
1969	3.20 AT 03:30 MST ON APR 8	1.90 ON APR 8	0B ON MAR 1	1 890	1969
1970	7.62 AT 23:50 MST ON APR 28	5.32 ON APR 28	0B ON MAR 1	4 470	1970
1971	3.91 AT 09:07 CST ON APR 24	3.51 ON APR 24	0B ON MAR 23	3 500	1971
1972	2.86 AT 07:52 CST ON JUN 10	2.01 ON JUN 10	0B ON MAR 1	751	1972
1973	0.2588 AT 05:00 CST ON MAR 12	0.1368 ON MAR 12	0E ON JUL 7	200	1973
				3 170	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD
R - REVISED SINCE JAN 01 1987

MAPLE CREEK ABOVE TENAILLE LAKE RESERVOIR - STATION NO. 05HA067

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1944	---	---	0	0.050	0.020	0.386	0.315	0.228	0.001	0	---	---	0.125	1944
1945	---	---	0.023	0.088	0.408	0.158	0.006	---	---	---	---	---	---	1945
1946	---	---	0.093	0.272	0.201	0.150	0.008	0	0	0	---	---	0.050	1946
1947	---	---	0.078	0.221	0.986	0.738	0.387	0.045	0	0	---	---	0.301	1947
1948	---	---	0.788	1.25	1.18	0.188	0.883	0.210	0.276	0	---	---	0.591	1948
1949	---	---	0.034	0.223	0.036	0	0	---	---	---	---	---	---	1949
1950	---	---	0.018	0.011	0.295	0.001	0	0	0	0	---	---	0.041	1950
1951	---	---	0	2.85	---	0.142	0.100	0.088	0.450	0.581	---	---	---	1951
1952	---	---	3.13	8.58	0.922	0.071	0.338	0.387	0.018	0.123	---	---	1.88	1952
1953	---	---	0.135	0.711	1.82	9.24	0.474	0.242	0.011	0.008	---	---	1.68	1953
1954	---	---	0.044	0.188	0.348	0.884	0.193	0.058	0.032	1.18	---	---	0.323	1954
MEAN	---	---	0.384	1.29	0.817	1.06	0.244	0.140	0.087	0.207	---	---	0.589	MEAN

LOCATION - LAT 50 05 11 N
LONG 109 31 48 W
DRAINAGE AREA, 1 560 km^2
REGULATED

MAPLE CREEK ABOVE TENAILLE LAKE RESERVOIR - STATION NO. 05HA067

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1944	---	1.59 ON AUG 7	0B ON MAR 1 *	3 640	1944
1945	---	---	0B ON MAR 1	---	1945
1946	---	1.28 ON MAR 4	0 ON MAR 1	1 800	1946
1947	---	2.88 ON MAY 30	0B ON MAR 1	6 390	1947
1948	---	2.88 ON MAR 22	0 ON MAR 1	12 500	1948
1949	---	---	0B ON MAR 1	---	1949
1950	---	2.44 ON MAY 18	0B ON MAR 1	884	1950
1951	---	13.7 ON APR 30	0B ON MAR 1	---	1951
1952	---	50.1 B ON MAR 30 *	0B ON MAR 1	35 800	1952
1953	---	42.5 E ON JUN 4	0B ON MAR 1	32 900	1953
1954	---	3.57 ON OCT 16	0 ON OCT 6	6 820	1954
				12 500	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

MAPLE CREEK AT MENELEY'S FARM - STATION NO. 05HA018

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1915	---	---	---	---	0.883	1.92	1.10	0.086	0.034	0.087	---	---	---	1915
1916	---	---	5.31	0.827	2.59	5.87	0.837	0.211	0.023	0.173	---	---	2.00	1916
1917	---	---	---	19.2	5.08	0.324	0.018	0.001	0.013	0.016	---	---	---	1917
1918	---	---	---	2.25	0.268	0.043	0.002	0	0	0.003	---	---	---	1918
1919	---	---	0.011	1.22	0.059	0.005	0	0	---	---	---	---	---	1919
1920	---	---	---	3.13	1.47	0.077	0.010	0	0	0	---	---	---	1920
1921	---	---	1.20	4.88	1.32	0.040	0.038	0	0.020	0.012	---	---	0.832	1921
1922	---	---	0.771	10.9	3.08	0.130	0.012	0.027	0.004	0.005	---	---	1.84	1922
1923	---	---	0.591	1.85	0.113	1.38	0.263	0.042	0.002	0.005	---	---	0.536	1923
1924	---	---	0.124	1.38	0.138	0.088	0.005	0.006	0	0	---	---	0.212	1924
1925	---	---	3.43	5.48	0.247	0.215	0.004	0	0.005	0.010	---	---	1.16	1925
1926	---	0.111	1.89	0.719	0.043	0.007	0.002	0	0	0	---	---	0.334	1926
1927	---	---	0.197	8.85	5.57	1.89	1.32	0.121	0.040	0.058	---	---	2.72	1927
1928	---	---	---	0.906	0.276	1.09	0.706	0.038	0.009	0.016	---	---	---	1928
1929	---	---	1.38	3.23	0.915	0.274	0.021	0	0	0	---	---	0.718	1929
1930	---	---	0.573	2.19	0.189	0.048	0.017	0	0.028	0.058	---	---	0.385	1930
1933	---	---	---	0.911	0.213	0.195	0.058	0	0	0	---	---	---	1933
1934	---	---	---	---	0.008	0.778	0.001	0	0	0	---	---	---	1934
1935	---	---	---	2.58	0.358	0.008	0	---	---	---	---	---	---	1935
1936	---	---	1.48	5.88	0.187	0.014	0	---	---	---	---	---	---	1936
1937	---	---	0.002	0.785	0.014	0	0.001	0	0	0	---	---	0.088	1937
1938	---	---	1.49	2.81	0.378	0.015	0.005	0	0.258	0.001	---	---	0.815	1938
1939	---	---	1.42	0.088	0.718	2.45	0.142	0	0	0.001	---	---	0.587	1939
MEAN	---	0.111	1.33	3.87	1.21	0.724	0.204	0.028	0.022	0.021	---	---	0.934	MEAN

LOCATION - LAT 49 57 38 N DRAINAGE AREA, 1 230 km²
LONG 105 30 38 W REGULATED

MAPLE CREEK AT MENELEY'S FARM - STATION NO. 05HA018

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1915	---	---	---	---	1915
1916	---	45.6 ON JUN 12	0.009 ON SEP 10	42 300	1916
1917	---	42.8 ON APR 10	0 ON JUL 20 *	---	1917
1918	---	---	0 ON JUL 4	---	1918
1919	---	2.80 ON APR 3	0 B ON MAR 1	---	1919
1920	---	15.5 B ON MAR 22	0 ON JUL 30	---	1920
1921	---	21.4 ON APR 14	0 ON JUN 30	18 800	1921
1922	---	36.1 ON APR 23	0 ON MAR 1	36 800	1922
1923	---	15.5 ON JUN 22	0 ON SEP 8	11 300	1923
1924	---	10.0 ON APR 8	0 ON JUL 9	4 480	1924
1925	---	19.0 B ON MAR 30	0 B ON MAR 1	24 800	1925
1926	---	7.80 ON MAR 18	0 ON JUN 10	7 070	1926
1927	---	56.1 ON MAY 24 *	0 B ON MAR 1	57 800	1927
1928	---	13.3 B ON MAR 21	0 ON SEP 7	---	1928
1929	---	10.1 ON APR 18	0 B ON MAR 1	15 200	1929
1930	---	12.8 ON APR 4	0 ON JUL 29	5 150	1930
1933	---	---	0 ON JUN 19	---	19[illegible]
1934	---	---	0 ON MAY 20	---	1[illegible]
1935	---	13.2 ON APR 17	0 ON JUN 11	---	1935
1936	---	33.1 E ON APR 12	0 B ON MAR 1	---	1936
1937	---	4.84 ON APR 11	0 B ON MAR 1	2 110	1937
1938	---	13.5 ON APR 11	0 B ON MAR 1	13 000	1938
1939	---	10.6 ON MAR 22	0 B ON MAR 1	12 800	1939
				19 800	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD
E - ESTIMATED

MAPLE CREEK BELOW JUNCTION RESERVOIR - STATION NO. 05HA078

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1973	---	---	---	---	---	---	1.31	0.017	0.007	0.007	---	---	---	1973
1974	---	---	0.188	0.101	0.877	0.007	0.547	0.002	0.002	0.031	---	---	0.188	1974
1975	---	---	0.022	0.185	2.25	1.38	0.784	0.018	0.008	0.005	---	---	0.581	1975
1976	---	0.007	0.785	1.00	0.884	0.014	0.518	0.128	0.033	0.001	---	---	0.384	1976
1977	---	---	0.005	0.003	1.18	0.004	0.003	0.051	0.007	0.008	---	---	0.182	1977
1978	---	---	0.022	0.518	0.887	0.004	0.823	0.003	0.001	0.001	---	---	0.234	1978
1979	---	---	0.020	1.10	1.07	0.005	0.887	0.204	0.003	0.088	---	---	0.433	1979
1980	---	---	0.002	0.486	1.22	0.001	0.002	0.001	0.178	0.001	---	---	0.233	1980
1981	---	0.002	0.003	0.822	0.568	0.004	0.002	0.001	0.001	0.217	---	---	0.177	1981
1982	---	0.003	0.048	0.559	0.407	0.003	0.144	1.75	0.003	0.001	---	---	0.388	1982
1983	---	---	0.003	0.232	1.37	0.003	0.008	1.37	0.001	0.181	---	---	0.388	1983
1984	---	---	0.005	0.488	0.887	0	0	0	0.147	0.008	---	---	0.193	1984
1985	---	0	0.008	0.118	1.68	0.001	0	0	0.001	0.100	---	---	0.284	1985
1986	0.003	0.004	0.007	0.187	0.387	1.12	0.007	0.004	0.012	0.007	---	---	0.212	1986
1987	---	0.028	0.071	1.18	1.37	0.011	1.17	0.008	0.003	0.002	---	---	0.478	1987
1988	---	0	0.008	0.504	1.31	0.003	0.018	0.001	0.143	0.002	---	---	0.248	1988
MEAN	0.003	0.008	0.080	0.481	1.08	0.188	0.377	0.223	0.034	0.038	---	---	0.304	MEAN

LOCATION - LAT 49 48 52 N DRAINAGE AREA, 1 240 km²
LONG 105 31 22 W REGULATED

MAPLE CREEK BELOW JUNCTION RESERVOIR - STATION NO. 05HA078

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1973	---	---	---	---	1973
1974	1.84 AT 18:48 CST ON JUL 12	1.88 ON JUL 13	0 ON SEP 24 *	4 180	1974
1975	15.2 AT 17:54 CST ON MAY 8 *	14.4 ON MAY 8 *	0B ON MAR 1	12 300	1975
1976	7.78 AT 01:42 CST ON MAR 20	3.78 ON MAR 20	0B ON MAR 1	8 330	1976
1977	1.94 AT 13:13 CST ON MAY 15	1.88 ON MAY 15	0 ON APR 26	3 430	1977
1978	2.71 AT 18:22 CST ON JUL 18	2.43 ON APR 26	0B ON MAR 1	4 870	1978
1979	5.78 AT 19:31 CST ON APR 17	2.96 ON APR 22	0B ON MAR 1	9 150	1979
1980	2.81 AT 17:32 CST ON MAY 7	2.80 ON MAY 8	0B ON MAR 1	4 840	1980
1981	3.26 AT 17:16 CST ON OCT 6	2.84 ON OCT 7	0 ON MAR 29	3 740	1981
1982	4.88 AT 14:02 CST ON AUG 10	4.64 ON AUG 11	0 ON APR 21	7 780	1982
1983	4.88 AT 02:18 CST ON AUG 12	4.23 ON AUG 12	0 ON AUG 23	8 420	1983
1984	2.48 AT 12:00 CST ON APR 24	2.28 ON APR 25	0 ON MAY 18	4 080	1984
1985	3.47 AT 08:12 CST ON MAY 23	3.43 ON MAY 22	0 ON JUN 7	5 590	1985
1986	2.59 AT 14:30 CST ON JUN 11	2.53 ON JUN 10	0 ON APR 8	4 490	1986
1987	3.51 AT 17:16 CST ON JUL 13	3.46 ON JUL 16	0 ON SEP 14	10 100	1987
1988	5.19 AT 11:21 CST ON JUL 20	2.10 ON MAY 16	0 ON APR 8	5 280	1988
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		8 430	MEAN

MAPLE CREEK NEAR MAPLE CREEK - STATION NO. 05HA011

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1911	---	---	---	1.51	0.780	0.051	---	---	---	---	---	---	---	1911
1912	---	---	---	1.88	0.478	0.325	0.015	0.082	0.005	0.005	---	---	---	1912
1913	---	---	---	1.50	0.114	0.015	0.012	0.004	0.003	0	---	---	---	1913
1914	---	---	---	0.578	0.074	0.008	0.008	0.038	0.024	0.481	---	---	---	1914
1915	---	---	---	0.702	0.081	0.235	0.508	0.008	0.015	0.010	---	---	---	1915
1916	---	---	---	0.330	0.388	1.47	0.098	0.023	0.012	0.018	---	---	---	1916
1917	---	---	---	5.28	1.71	0.108	0.015	0.015	0.013	0.018	---	---	---	1917
1918	---	---	---	0.883	0.206	0.033	0.006	0.007	0.005	0.004	---	---	---	1918
1919	---	---	0	0.218	0.012	0.008	0.003	0.002	0.001	0.001	---	---	0.030	1919
MEAN	---	---	0	1.44	0.422	0.250	0.083	0.023	0.010	0.064	---	---	0.030	MEAN

LOCATION - LAT 49 56 01 N DRAINAGE AREA, 458 km^2
LONG 109 29 05 W REGULATED

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1914

MAPLE CREEK NEAR MAPLE CREEK - STATION NO. 05HA011

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1911	---	---	0 ON JUL 1 *	---	1911
1912	---	5.88 ON APR 4	0 ON AUG 12	---	1912
1913	---	5.17 ON APR 6	0 ON OCT 3	---	1913
1914	---	4.11 ON MAR 14	0.001 ON SEP 2	---	1914
1915	---	3.40 ON APR 3	0 ON APR 24	---	1915
1916	---	5.88 ON JUN 12	0.012 ON SEP 1	---	1916
1917	---	12.3 ON APR 10 *	0 ON OCT 17	---	1917
1918	---	1.81 ON APR 13	0 ON AUG 1	---	1918
1919	---	0.850 ON APR 18	0 B ON MAR 1	834	1919
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		834	MEAN

MARSHALL AND GAFF DITCH AT BATTLE CREEK - STATION NO. 11AB043

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1911	---	---	---	---	---	---	---	---	---	---	---	---	---	1911
1912	---	---	---	---	---	---	---	---	---	---	---	---	---	1912
1914	---	---	0	0	0	0	0	0	0	0	---	---	0	1914
1915	---	---	0	0	0	0	0	0	0	0	---	---	0	1915
1916	---	---	0	0	0	0	0	0	0	0	---	---	0	1916
1917	---	---	---	---	---	---	---	---	---	---	---	---	---	1917
1918	---	---	0	0	0	0.378	0.112	0.078	0.085	0.185	---	---	0.105	1918
1919	---	---	0	0.108	0.188	0.097	0.023	0.027	0.080	0.088	---	---	0.058	1919
1920	---	---	0	0.048	0.052	0.140	0.034	0	0	0	---	---	0.034	1920
1921	---	---	0	0	0	---	0.085	0	0.028	0.085	---	---	---	1921
1922	---	---	0	0	0.085	0.105	0.089	0	0	0	---	---	0.034	1922
1923	---	---	0	0	0.037	0.103	0	0	0	0	---	---	0.017	1923
1924	---	---	0	0	0.022	0.048	0.018	0.008	0	0	---	---	0.012	1924
1925	---	---	0	0	0	0	0	0	0	0	---	---	0	1925
1926	---	---	0	0	0.084	0.022	0	0	0	0	---	---	0.011	1926
1927	---	---	0	0	0	0	0	0	0	0	---	---	0	1927
1928	---	---	0	0	0	0	0	0	0	0	---	---	0	1928
1929	---	---	0	0	0.074	0.020	0.034	0.048	0.002	0	---	---	0.022	1929
1930	---	---	0	0.032	0.058	0.025	0.003	0	0	0	---	---	0.014	1930
1931	---	---	0	0	0	0	0	0	0	0	---	---	0	1931
MEAN	---	---	0	0.011	0.033	0.059	0.023	0.009	0.010	0.020	---	---	0.020	MEAN

LOCATION - LAT 49 25 19 N
LONG 109 49 24 W REGULATED

MARSHALL AND GAFF DITCH AT BATTLE CREEK - STATION NO. 11AB043

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1911	---	---	0 ON AUG 25 *	---	1911
1912	---	---	0 ON MAY 30	---	1912
1914	---	0 ON MAR 1	0 ON MAR 1	0	1914
1915	---	0 ON MAR 1	0 ON MAR 1	0	1915
1916	---	0 ON MAR 1	0 ON MAR 1	0	1916
1917	---	---	0 ON JUN 11	---	1917
1918	---	0.592 ON JUN 8 *	0 ON MAR 1	2 230	1918
1919	---	0.300 ON APR 21	0 ON MAR 1	1 470	1919
1920	---	0.416 ON APR 20	0 ON MAR 1	713	1920
1921	---	---	0 ON MAR 1	---	1921
1922	---	0.442 ON MAY 17	0 ON MAR 1	713	1922
1923	---	0.286 ON JUN 22	0 ON MAR 1	384	1923
1924	---	0.227 ON JUN 7	0 ON MAR 1	251	1924
1925	---	0 ON MAR 1	0 ON MAR 1	0	1925
1926	---	0.187 ON JUN 20	0 ON MAR 1	227	1926
1927	---	0 ON MAR 1	0 ON MAR 1	0	1927
1928	---	0 ON MAR 1	0 ON MAR 1	0	1928
1929	---	0.130E ON MAY 6	0 ON MAR 1	484	1929
1930	---	0.088E ON APR 20	0 ON MAR 1	302	1930
1931	---	0 ON MAR 1	0 ON MAR 1	0	1931
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		421	MEAN

E - ESTIMATED

MCCARTHY BERTRAM AND SALT EAST DITCH NEAR PIAPOT - STATION NO. 05HA033

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1915	---	---	0	0.194	0	0	0	0	0	0	---	---	0.024	1915
1917	---	---	---	---	---	---	---	---	---	---	---	---	---	1917
1918	---	---	---	---	---	---	---	---	---	---	---	---	---	1918
1919	---	---	0	0	0.064	0	0	0	0	0	---	---	0.008	1919
1920	---	---	0	0	0.012	0.082	0	0	0	0	---	---	0.008	1920
1921	---	---	0	0	0.030	0.012	0	0	0	0	---	---	0.005	1921
MEAN	---	---	0	0.048	0.027	0.018	0	0	0	0	---	---	0.012	MEAN

LOCATION - LAT 49 58 30 N
LONG 109 08 55 W REGULATED

MCCARTHY BERTRAM AND SALT EAST DITCH NEAR PIAPOT - STATION NO. 05HA033

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1915	---	0.459 ON APR 17 *	0 ON MAR 1 *	503	1915
1917	---	---	OR ON JUN 20	---	1917
1918	---	---	OR ON MAY 2	---	1918
1919	---	0.159 ON MAY 15	0 ON MAR 1	171	1919
1920	---	0.173 ON JUN 20	0 ON MAR 1	182	1920
1921	---	0.086 ON MAY 28	0 ON MAR 1	112	1921
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		245	MEAN

R - REVISED SINCE JAN 01 1987

MCCARTHY BERTRAM AND SALT WEST DITCH NEAR PIAPOT - STATION NO. 05HA032

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1915	---	---	0	0.124	0	0	0	0	0	0	---	---	0.018	1915
1918	---	---	0	0	0.050	0	0	0	0	0	---	---	0.008	1918
1920	---	---	0	0	0.013	0.082	0	0	0	0	---	---	0.009	1920
1921	---	---	0	0	0.023	0.009	0	0	0	0	---	---	0.004	1921
MEAN	---	---	0	0.031	0.022	0.018	0	0	0	0	---	---	0.009	MEAN

LOCATION - LAT 49 56 30 N
LONG 109 08 50 W REGULATED

MCCARTHY BERTRAM AND SALT WEST DITCH NEAR PIAPOT - STATION NO. 05HA032

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1915	---	0.348 ON APR 10 *	0 ON MAR 1 *	321	1915
1918	---	0.144 ON MAY 17	0 ON MAR 1	134	1918
1920	---	0.183 ON JUN 20	0 ON MAR 1	195	1920
1921	---	0.078 ON MAY 22	0 ON MAR 1	84.2	1921
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		184	MEAN

MCDONALD CREEK NEAR MCCORD - STATION NO. 05JA003

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1965	---	---	---	---	---	---	---	---	---	---	---	---	---	1965
1966	---	---	0.715	---	---	---	---	---	---	---	---	---	---	1966
1967	---	---	2.02	1.44	---	---	---	---	---	---	---	---	---	1967
1968	---	---	0.406	1.80	0.158	0.008	0.080	0	0	0.003	---	---	0.301	1968
1970	---	---	1.10	0.320	0.241	0.250	0.002	0.001	0.004	0	---	---	0.240	1970
1971	---	---	0.308	0.841	0.029	0	0	0	0	0	---	---	0.158	1971
1972	---	---	0.578	0.039	0.011	0.082	0	0.015	0.010	0.001	---	---	0.083	1972
1973	---	---	0.040	0.050	0.022	0.005	0	0	0	0	---	---	0.015	1973
1974	---	---	2.50	0.557	0.532	0.014	0	0.001	0	0	---	---	0.454	1974
1975	---	---	0.004	1.70	0.626	0.027	0.002	0	0	0	---	---	0.282	1975
1976	---	---	1.78	0.101	0.004	0.001	0	0.257	0	0	---	---	0.273	1976
1977	---	---	0.005	0.036	0.083	0.003	0.001	0	0	0.001	---	---	0.018	1977
1978	---	---	3.85	0.271	0.031	0.008	0.715	0.001	0.038	0.001	---	---	0.595	1978
1979	---	---	3.21	1.01	0.183	0.035	0.001	0	0.002	0.001	---	---	0.559	1979
1980	---	---	0.891	0.114	0.001	0	0	0.001	0	0	---	---	0.102	1980
1981	---	---	0.015	0.002	0	0.177	0.128	0	0	0.001	---	---	0.040	1981
1982	---	0.443	1.87	0.303	0.501	0.137	0.008	0.015	0.001	0.001	---	---	0.332	1982
1983	---	0.025	0.027	0.021	0.102	0.004	0.020	0	0	0	---	---	0.022	1983
1984	---	0.001	0.010	0.005	0	0	0	0	0	0	---	---	0.002	1984
1985	---	0.105	0.820	0.017	0	0	0	0	0	0	---	---	0.081	1985
1986	---	1.25	0.521	0.038	0.108	0	0	0	0.001	0.001	---	---	0.083	1986
1987	---	0.002	0.021	0.035	0	0	0	0.013	0	0	---	---	0.009	1987
1988	---	---	0	0.001	0	0	0	0	0	0	---	---	0	1988
MEAN	---	0.304	0.905	0.418	0.132	0.038	0.047	0.015	0.003	0.001	---	---	0.183	MEAN

LOCATION - LAT 49 28 14 N DRAINAGE AREA, 259 km^2
LONG 108 50 05 W NATURAL FLOW

MCDONALD CREEK NEAR MCCORD - STATION NO. 05JA003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1965	---	15.0 E ON APR 8	0E ON JUN 1 *	---	1965
1966	---	5.10 B ON MAR 12	0B ON MAR 1	---	1966
1967	---	14.2 B ON MAR 26	0B ON MAR 1	---	1967
1968	---	11.0 B ON APR 3	0 ON JUN 18	8 380	1968
1970	---				
1971	12.3 B AT 13:26 CST ON MAR 31	9.07 B ON MAR 21	0 ON JUN 4	5 080	1970
1972	10.9 B AT 08:11 CST ON MAR 14	9.23 B ON MAR 31	0B ON MAR 1	3 350	1971
1973	0.5448 AT 08:18 CST ON MAR 6	7.78 B ON MAR 14	0B ON MAR 1	1 860	1972
1974	12.1 B AT 17:54 CST ON MAR 29	0.1818 ON MAR 6	0 ON JUN 24	308	1973
		9.88 B ON MAR 29	0 ON JUN 18	9 800	1974
1975	18.3 AT 05:18 CST ON APR 22	13.6 ON APR 22	0B ON MAR 1	5 180	1975
1976	16.8 B AT 02:59 CST ON MAR 19	13.1 B ON MAR 16	0 ON MAY 24	5 770	1976
1977	0.885 AT 05:32 CST ON MAY 18	0.348 ON MAY 26	0 ON MAY 1	341	1977
1978	20.2 B AT 13:18 CST ON MAR 21	17.2 B ON MAR 21	0B ON MAR 1	12 600	1978
1979	44.9 B AT 17:18 CST ON MAR 17 *	35.8 B ON MAR 17 *	0B ON MAR 1	11 800	1979
1980	9.01 B AT 17:38 CST ON MAR 19	4.65 B ON MAR 19	0B ON MAR 1	2 150	1980
1981	4.82 AT 23:09 CST ON JUL 13	1.35 A ON JUN 15	0 ON APR 18	848	1981
1982	20.0 B AT 09:38 CST ON MAR 12	10.3 B ON MAR 12	0 ON AUG 7	7 020	1982
1983	0.937 AT 15:30 CST ON MAY 13	0.520 ON MAY 17	0 ON JUN 27	486	1983
1984	0.085 AT 14:48 CST ON MAR 26	0.081 ON MAR 26	0B ON MAR 8	39.9	1984
1985	7.54 B AT 21:48 CST ON MAR 12	4.07 B ON MAR 12	0 ON MAY 1	1 710	1985
1986	---	2.78 B ON MAR 1	0 ON JUN 4	1 770	1986
1987	0.5718 AT 17:09 CST ON MAR 29	0.3278 ON MAR 30	0B ON MAR 14	183	1987
1988	0.0028 AT 11:32 CST ON MAR 21	0.0028 ON MAR 21	0B ON MAR 1	3.28	1988
				3 880	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

MCDONALD TRIBUTARY NEAR TOTNES - STATION NO. 05HF015

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1968	---	---	0.005	0.001	0.001	0	0	0	0	0	---	---	0.001	1968
1969	---	---	0	0.766	0.001	0	0.002	0	0	0.002	---	---	0.084	1969
1970	---	---	0	0.785	0.002	0.001	0	0	0	0	---	---	0.088	1970
1971	---	---	0	0.367	0.002	0	0.001	0	0	0	---	---	0.045	1971
1972	---	---	0.005	0.007	0	0	0	0	0	0	---	---	0.002	1972
1973	---	---	0.015	0.004	0.001	0	0	0	0	0	---	---	0.002	1973
1974	---	---	0	0.523	0.022	0.025	0.004	0.078	0.001	0.001	---	---	0.080	1974
1975	---	---	0	0.574	0.028	0.001	0	0	0	0	---	---	0.068	1975
1976	---	---	0.033	0.228	0.001	0	0.001	0	0	0	---	---	0.033	1976
1977	---	---	0.001	0.002	0.041	0	0	0	0	0	---	---	0.006	1977
1978	---	---	0.021	0.086	0.003	0	0	0	0	0	---	---	0.011	1978
1979	---	---	0.004	0.022	0.001	0.002	0	0	0	0	---	---	0.004	1979
1980	---	---	0.008	0.003	0	0	0	0.003	0	0	---	---	0.002	1980
1981	---	0.001	0.007	0.003	0.001	0.001	0.003	0	0	0	---	---	0.002	1981
1982	---	---	0	0.228	0.008	0.003	0.031	0	0	0	---	---	0.033	1982
1983	---	0.001	0.058	0.038	0.004	0	0.003	0	0	0	---	---	0.014	1983
1984	---	---	0.005	0.005	0.001	0.004	0	0	0	0	---	---	0.002	1984
1985	---	---	0.024	0.470	0.002	0	0	0	0	0	---	---	0.081	1985
1986	---	0	0.005	0.001	0.011	0	0	0	0	0	---	---	0.002	1986
1987	---	---	0.009	0.008	0	0	0	0	0	0	---	---	0.002	1987
1988	---	---	0.001	0.001	0	0	0	0.020	0	0	---	---	0.003	1988
MEAN	---	0.001	0.010	0.200	0.008	0.002	0.002	0.005	0	0	---	---	0.038	MEAN

LOCATION - LAT 51 20 04 N LONG 108 28 58 W DRAINAGE AREA, 48.1 km^2 REGULATED SINCE 1987

MCDONALD TRIBUTARY NEAR TOTNES - STATION NO. 05HF015

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1968	0.0288 AT 01:30 CST ON MAR 8	0.0178 ON MAR 3	0B ON MAR 18 *	18.7	1968
1969	9.84 AT 17:30 CST ON APR 12	8.71 ON APR 13 *	0B ON MAR 1	1 850	1969
1970	7.25 B AT 18:00 CST ON APR 10	5.88 B ON APR 11	0B ON MAR 1	2 070	1970
1971	2.59 AT 12:08 CST ON APR 11	1.84 ON APR 12	0B ON MAR 1	860	1971
1972	0.5528 AT 08:00 CST ON APR 2	0.1388 ON APR 2	0B ON MAR 1	34.3	1972
1973	---	0.078A ON MAR 20	0 ON MAR 1	51.8	1973
1974	4.81 AT 02:15 CST ON APR 18	4.47 ON APR 18	0B ON MAR 1	1 700	1974
1975	4.90 AT 18:50 CST ON APR 20	4.36 ON APR 20	0B ON MAR 1	1 820	1975
1976	3.43 AT 10:04 CST ON APR 7	1.85 ON APR 7	0B ON MAR 1	688	1976
1977	0.885 AT 22:15 CST ON MAY 19	0.380 ON MAY 19	0 ON MAR 1	116	1977
1978	0.6318 AT 15:38 CST ON MAR 30	0.3828 ON MAR 30	0B ON MAR 1	238	1978
1979	0.588A AT 06:07 CST ON APR 19	0.298A ON APR 19	0B ON MAR 1	75.2	1979
1980	0.420 AT 22:30 CST ON AUG 15	0.070B ON MAR 28	0B ON MAR 1	37.3	1980
1981	0.209 AT 03:30 CST ON JUL 22	0.078 ON JUL 22	0 ON MAR 23	38.4	1981
1982	11.0 AT 19:22 CST ON JUL 2 *	1.18 ON APR 17	0B ON MAR 1	888	1982
1983	0.5878 AT 05:31 CST ON MAR 30	0.511B ON MAR 30	0B ON MAR 1	284	1983
1984	0.088 AT 04:15 CST ON JUN 22	0.037 ON JUN 22	0B ON MAR 1	41.2	1984
1985	3.03 AT 04:15 CST ON APR 8	1.98 ON APR 8	0B ON MAR 1	1 280	1985
1986	0.288 AT 08:28 CST ON MAY 22	0.131 ON MAY 22	0B ON MAR 8	46.1	1986
1987	0 1858 AT 09:07 CST ON MAR 28	0.107B ON MAR 28	0B ON MAR 1	37.8	1987
1988	1.83 AT 15:31 CST ON AUG 16	0.348 ON AUG 16	0 ON MAR 1	80.8	1988
				888	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

McEACHERN CREEK AT INTERNATIONAL BOUNDARY - STATION NO. 11AE007

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1924	---	---	---	0.592	0.122	0.078	0.024	0	0	0.282	---	---	---	1924
1925	---	---	4.88	3.23	0.936	0.504	0.003	0	0.001	0.011	---	---	1.09	1925
1926	---	---	7.60	0.021	0.011	0.433	0.002	0	0	0	---	---	1.02	1926
1927	---	---	0.084	10.9	1.82	0.615	0.128	0.001	0	0.001	---	---	1.69	1927
1928	---	---	4.34	0.282	0.015	0.828	0.485	0.007	0	0	---	---	0.780	1928
1929	---	---	0.318	0.137	0.005	0.002	0	0	0	0	---	---	0.058	1929
1930	---	---	2.42	1.80	0.010	0.002	0	0	0	0	---	---	0.526	1930
1931	---	---	0.007	0.008	0.008	0.051	0.088	0	0	0	---	---	0.021	1931
1932	---	---	0.413	0.155	0.004	0.020	0	0.005	0	0	---	---	0.075	1932
1933	---	---	0.483	0.007	0.002	0	0	0.815	0.020	0.003	---	---	0.166	1933
1934	---	---	1.04	0.871	0.001	0	0	0	0	0	---	---	0.214	1934
1935	---	---	0.021	0.486	0.006	0	0	0	0	0	---	---	0.063	1935
1936	---	---	0	1.41	0.023	0	0	0	0	0	---	---	0.178	1936
1937	---	---	0	0.170	0	0	0	0	0	0	---	---	0.021	1937
1938	---	---	1.59	0.536	0.003	0.354	0.815	0	0	0	---	---	0.427	1938
1939	---	---	7.50	0.120	1.13	2.19	0.012	0.001	0	0	---	---	1.36	1939
1940	---	---	0	2.80	0.178	0.701	0.004	0.001	0	0	---	---	0.427	1940
1941	---	---	1.52	0.011	0.002	0.003	0.002	0	0	0	---	---	0.194	1941
1942	---	---	0.806	0.387	0.006	0.424	0.058	0.091	0.002	0.003	---	---	0.232	1942
1943	---	---	7.36	0.989	0.003	0.391	0.005	0	0	0	---	---	1.10	1943
1944	---	---	0.459	0.888	0.005	0.018	0	0	0	0	---	---	0.171	1944
1945	---	---	0.819	0.008	0.003	0.001	0	0	0	0	---	---	0.078	1945
1946	---	---	1.38	0.021	0.005	0.002	0	0	0	0	---	---	0.178	1946
1947	---	---	0.872	2.82	0.012	0.003	0	0	0	0	---	---	0.445	1947
1948	---	---	0.181	1.86	0.007	0.003	0.001	0	0	0	---	---	0.224	1948
1949	---	---	0.055	0.330	0	0	0	0	0	0	---	---	0.047	1949
1950	---	---	0	5.93	0.113	0.101	0.005	0	0	0	---	---	0.754	1950
1951	---	---	0	5.08	0.488	0.003	0.001	0	0	0	---	---	0.883	1951
1952	---	---	0	15.5	0.022	0.003	0.072	0.001	0	0	---	---	1.92	1952
1953	---	---	0.038	0.283	1.07	1.49	0.076	0	0	0	---	---	0.387	1953
1954	---	---	0.126	5.51	0.038	0.392	0.001	0.147	0	0	---	---	0.782	1954
1955	---	---	0.088	4.23	0.878	0.010	0	0	0	0	---	---	0.843	1955
1956	---	---	0.333	0.478	0.008	0.001	0	0	0	0	---	---	0.102	1956
1957	---	---	0.008	0.015	0	0	0	0	0	0	---	---	0.003	1957
1958	---	---	1.36	0.787	0.001	0	0	0	0	0	---	---	0.286	1958
1959	---	---	1.28	0.382	0.001	0	0	0	0	0	---	---	0.210	1959
1960	---	---	4.86	0.287	0.002	0	0	0	0	0	---	---	0.610	1960
1961	---	---	0.001	0	0	0	0	0	0	0	---	---	0	1961
1962	---	---	0.187	0.725	0	0.388	1.28	0.002	0	0	---	---	0.318	1962
1963	---	0.125	1.27	0.021	0.002	0.878	0.083	0	0	0	---	---	0.284	1963
1964	---	---	0	0	0.001	0.002	0	0	0	0	---	---	0	1964
1965	---	---	0	1.82	1.85	0.855	0.012	0	0	0	---	---	0.539	1965
1966	---	---	1.18	0.038	0.008	0	0	0	0	0	---	---	0.183	1966
1967	---	---	0	5.05	1.22	0.014	0	0	0	0	---	---	0.897	1967
1968	---	---	1.25	0.015	0.003	0	0	0	0	0	---	---	0.180	1968
1969	---	---	0	7.82	0.409	0.001	0.203	0	0	0	---	---	0.988	1969
1970	---	---	0.018	3.18	1.05	0.234	0.002	0	0	0	---	---	0.554	1970
1971	---	---	0	1.73	0.040	0.003	0	0	0	0	---	---	0.217	1971
1972	---	---	1.85	0.050	0.002	0.455	0	0	0	0	---	---	0.271	1972
1973	---	---	0.474	0	0	0	0	0	0	0	---	---	0.060	1973
1974	---	---	1.18	4.71	0.707	0.033	0.006	0.058	0	0	---	---	0.828	1974
1975	---	---	0.002	2.89	1.49	0.007	0.001	0.135	0.001	0.005	---	---	0.561	1975
1976	---	---	8.91	0.701	0.006	0.012	0.024	0.001	0	0	---	---	0.585	1976
MEAN	---	0.125	1.27	1.85	0.240	0.221	0.088	0.024	0	0.005	---	---	0.480	MEAN

LOCATION - LAT 48 59 30 N, LONG 106 55 40 W DRAINAGE AREA, 443 km² NATURAL FLOW INTERNATIONAL GAUGING STATION

MCEACHERN CREEK AT INTERNATIONAL BOUNDARY - STATION NO. 11AE007

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1924	---	3.82 E ON APR 3	0 ON JUN 21 *	---	1924
1925	62.6 ON MAR 28	41.3 ON MAR 28	0B ON MAR 1	23 100	1925
1926	---	26.9 ON MAR 17	0 ON JUL 19	21 800	1926
1927	90.3 AT 15:00 MST ON APR 9	59.2 ON APR 9	0B ON MAR 1	35 700	1927
1928	---	28.3 B ON MAR 21	0B ON MAR 1	16 100	1928
1929	---	1.78 B ON MAR 30	0 ON MAR 1	1 220	1929
1930	---	11.2 B ON MAR 23	0B ON MAR 1	11 200	1930
1931	20.7 AT 22:00 MST ON JUN 30	2.10 ON JUL 1	0 ON MAY 28	443	1931
1932	---	3.34 B ON MAR 28	0B ON MAR 4	1 590	1932
1933	20.9 AT 09:00 MST ON AUG 22	18.0 ON AUG 23	0B ON MAR 1	3 560	1933
1934	---	7.42 ON APR 2	0 ON MAY 14	4 530	1934
1935	---	5.95 ON APR 17	0 ON MAR 1	1 330	1935
1936	19.6 AT 16:00 MST ON APR 12	16.4 ON APR 12	0 ON MAR 1	3 720	1936
1937	1.12 AT 11:30 MST ON APR 11	1.08 ON APR 10	0 ON MAR 1	441	1937
1938	26.4 AT 15:00 MST ON MAR 17	12.1 ON MAR 17	0 ON MAR 1	9 030	1938
1939	108 AT 01:00 MST ON MAR 23	90.6 ON MAR 23	0 ON MAR 1	29 100	1939
1940	16.2 AT 19:30 MST ON APR 16	14.0 ON APR 16	0 ON MAR 1	9 050	1940
1941	---	9.63 B ON MAR 22	0 ON MAR 1	4 120	1941
1942	15.9 AT 14:45 MST ON JUN 28	9.00 ON JUN 28	0 ON MAR 1	4 900	1942
1943	97.4 AT 05:00 MST ON MAR 29	75.6 ON MAR 29	0 ON MAR 1	23 300	1943
1944	28.9 AT 13:00 MST ON APR 1	12.2 ON APR 1	0B ON MAR 1	3 810	1944
1945	8.00 AT 16:30 MST ON MAR 13	4.45 ON MAR 13	0 ON MAR 1	1 850	1945
1946	8.47 AT 17:30 MST ON MAR 20	5.18 ON MAR 20	0B ON MAR 1	3 790	1946
1947	9.83 AT 08:35 MST ON APR 3	8.89 ON APR 3	0 ON MAR 1	9 430	1947
1948	8.83 AT 13:30 MST ON APR 16	7.90 ON APR 16	0 ON MAR 1	4 740	1948
1949	2.10 AT 08:50 MST ON APR 3	1.93 ON APR 3	0 ON MAR 1	1 000	1949
1950	94.9 B AT 12:00 MST ON APR 16	51.8 ON APR 17	0 ON MAR 1	18 000	1950
1951	18.7 AT 10:00 MST ON APR 28	17.3 ON APR 28	0B ON MAR 1	14 400	1951
1952	200 AT 01:00 MST ON APR 15 *	112 ON APR 14 *	0 ON MAR 1	40 800	1952
1953	30.3 AT 11:00 MST ON JUN 3	16.5 ON JUN 3	0B ON MAR 1	7 770	1953
1954	140 AT 16:00 MST ON APR 6	82.3 B ON APR 6	0B ON MAR 1	16 200	1954
1955	36.0 B AT 10:00 MST ON APR 2	26.3 B ON APR 2	0B ON MAR 1	13 800	1955
1956	5.10 B AT 11:45 MST ON MAR 27	3.96 B ON MAR 27	0 ON MAR 1	2 180	1956
1957	0.108 AT 21:00 MST ON APR 1	0.105 ON APR 1	0 ON MAR 1	53.9	1957
1958	---	21.1 ON MAR 31	0 ON MAR 1	5 810	1958
1959	11.2 AT 17:20 MST ON MAR 27	8.84 ON MAR 28	0 ON MAR 1	4 450	1959
1960	48.4 AT 02:00 MST ON MAR 27	30.0 ON MAR 27	0 ON MAR 1	12 900	1960
1961	0.037 AT 08:00 MST ON MAR 22	0.025 ON MAR 22	0 ON MAR 1	2.85	1961
1962	22.6 AT 23:00 MST ON JUL 14	17.3 ON JUL 15	0 ON MAR 1	8 740	1962
1963	25.8 AT 04:00 MST ON JUN 22	18.7 ON JUN 22	0 ON MAY 18	8 220	1963
1964	0.040 AT 04:00 MST ON JUN 22	0.031 ON JUN 22	0 ON MAR 1	8.73	1964
1965	33.7 AT 02:00 MST ON MAY 7	27.2 ON MAY 7	0B ON MAR 1	11 400	1965
1966	14.6 AT 18:00 MST ON MAR 18	12.0 ON MAR 18	0 ON MAR 1	3 280	1966
1967	49.6 AT 02:00 MST ON APR 12	37.7 ON APR 12	0B ON MAR 1	19 000	1967
1968	7.31 B AT 21:00 MST ON MAR 2	5.01 B ON MAR 6	0 ON MAY 22	3 390	1968
1969	107 A AT 21:00 MST ON APR 8	82.9 A ON APR 7	0B ON MAR 1	21 100	1969
1970	48.7 AT 10:00 MST ON APR 7	29.2 ON APR 7	0 ON MAR 1	11 700	1970
1971	7.87 B AT 18:00 CST ON APR 11	5.31 B ON APR 11	0 ON MAR 1	4 880	1971
1972	18.3 B AT 01:00 MST ON MAR 19	13.7 B ON MAR 19	0B ON MAR 1	5 740	1972
1973	7.08 AT 10:00 MST ON MAR 14	1.78 ON MAR 14	0 ON MAR 1	1 270	1973
1974	34.0 B AT 03:00 CST ON MAR 31	28.2 B ON MAR 31	0 ON MAR 1	17 500	1974
1975	30.9 AT 03:30 CST ON MAY 7	17.4 ON MAY 7	0B ON MAR 1	11 900	1975
1976	68.1 B AT 04:00 CST ON MAR 30	59.7 B ON MAR 30	0B ON MAR 2	30 400	1976
MEAN				8 740	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

MCEACHERN CREEK AT MCCOY'S RANCH - STATION NO. 11AE001

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1914	---	---	---	---	0.008	0.001	0	0	0	0	---	---	---	1914
1915	---	---	---	0.103	0.068	0.056	0.008	0.001	0	0	---	---	---	1915
1916	---	---	---	7.70	0.811	0.183	0.443	0.003	0	0	---	---	---	1916
1917	---	---	---	---	0.324	0.010	0	0	0	0	---	---	---	1917
1918	---	---	---	3.47	0.111	0	0	0.045	0.003	0	---	---	---	1918
1919	---	---	0.007	1.88	0.011	0	0	0	0	0	---	---	0.232	1919
1920	---	---	1.10	0.400	0.002	0	0	0	0	0	---	---	0.189	1920
1921	---	---	0.845	0.100	0.015	0.134	0.471	0	0	0	---	---	0.172	1921
1922	---	---	0	4.84	0.844	0.135	0.020	0	0	0	---	---	0.705	1922
1923	---	---	0	1.48	0.004	1.81	0.397	0.005	0	0	---	---	0.462	1923
MEAN	---	---	0.350	2.51	0.180	0.233	0.134	0.005	0	0	---	---	0.350	MEAN

LOCATION - LAT 49 00 10 N, LONG 106 56 20 W
DRAINAGE AREA, 316 km^2
NATURAL FLOW

MCEACHERN CREEK AT MCCOY'S RANCH - STATION NO. 11AE001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1914	---	---	0 ON MAY 30 *	---	1914
1915	---	---	0 ON MAY 9	---	1915
1916	---	31.1 ON APR 12	0 ON AUG 10	---	1916
1917	---	---	0 ON JUL 10	---	1917
1918	---	17.1 ON APR 3	0 ON JUN 7	---	1918
1919	---	8.84 ON APR 2	0 ON MAR 1	4 810	1919
1920	---	12.5 B ON MAR 23	0B ON MAR 1	4 000	1920
1921	---	6.12 ON JUL 11	0 ON JUN 1	3 840	1921
1922	---	40.5 ON APR 6 *	0 ON MAR 1	14 800	1922
1923	---	18.6 ON JUN 22	0 ON MAR 1	9 570	1923
				7 400	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

MCKINNON DITCH NEAR CONSUL - STATION NO. 11AB044

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1911	---	---	---	---	---	---	---	---	---	---	---	---	---	1911
1912	---	---	0	0	0	0	0	0	0	0	---	---	0	1912
1913	---	---	0	0	0	0	0	0	0	0	---	---	0	1913
1914	---	---	0	0	0	0	0	0	0	0	---	---	0	1914
1915	---	---	0	0	0	0	0	0	0	0	---	---	0	1915
1916	---	---	0	0	0	0	0	0	0	0	---	---	0	1916
1917	---	---	0	0	0	---	---	---	---	---	---	---	---	1917
1918	---	---	0	---	0	---	---	---	---	---	---	---	---	1918
1919	---	---	---	---	---	---	---	---	---	---	---	---	---	1919
1920	---	---	0	0.062	0.047	0.078	0.012	0	0	0	---	---	0.033	1920
1921	---	---	0	---	---	---	---	0	0	0	---	---	---	1921
1922	---	---	0	0	0	0	0	0	0	0	---	---	0	1922
1923	---	---	0	0	0.083	0.004	0	0	0	0	---	---	0.011	1923
1924	---	---	0	0	0.024	0.087	0.010	0	0	0	---	---	0.015	1924
1925	---	---	0	0	0.090	0.107	0.005	0	0	0	---	---	0.036	1925
1927	---	---	0	0	0	0	0	0	0	0	---	---	0	1927
1928	---	---	0	0	0	0	0	0	0	0	---	---	0	1928
1929	---	---	0	0	0	0	0.004	0	0	0	---	---	0.001	1929
1930	---	---	0	0.088	0.120	0.076	0.007	0	0	0	---	---	0.034	1930
1931	---	---	0	0.088	0.138	0.033	0	0	0	0	---	---	0.029	1931
1941	---	---	0	0.204	0.120	0.050	0	0	0	0	---	---	0.048	1941
1942	---	---	0	0.014	0.217	0.025	0	0	0	0	---	---	0.032	1942
1943	---	---	---	---	---	---	---	---	---	---	---	---	---	1943
1944	---	---	---	---	---	---	---	---	---	---	---	---	---	1944
1945	---	---	0.001	0	0	0.085	0.085	0.040	0	0.105	---	---	0.037	1945
1947	---	---	0	0.025	0.077	0.170	0.218	0	0	0	---	---	0.061	1947
1948	---	---	0	0	0	0.158	0.407	0.084	0	0	---	---	0.078	1948
1949	---	---	0	0.214	0.281	0.268	0.121	0.048	0	0	---	---	0.115	1949
1950	---	---	0	0.012	0.202	0.148	0.240	0.138	0	0	---	---	0.083	1950
1951	---	---	0	0	0.037	0.018	0.144	0.174	0	0	---	---	0.047	1951
1952	---	---	0	0	0	0.118	0.445	0.124	0.004	0	---	---	0.087	1952
1953	---	---	0	0.017	0.035	0	0.233	0.168	0.024	0	---	---	0.052	1953
1954	---	---	0	0	0.008	0.186	0.281	0.118	0	0	---	---	0.072	1954
1955	---	---	0	0.002	0.004	0.333	0.012	0.028	0	0.007	---	---	0.048	1955
1956	---	---	0	0	0.008	0.370	0.122	0.131	0	0.021	---	---	0.081	1956
1957	---	---	0	0	0.213	0.381	0.200	0.166	0.008	0	---	---	0.104	1957
1958	---	---	0.001	0.035	0.288	0.474	0.280	0.187	0.002	0	---	---	0.153	1958
1959	---	---	0	0.048	0.147	0.480	0.133	0.348	0	0.005	---	---	0.144	1959
1960	---	---	0	0	0.018	0.588	0.274	0.198	0	0.058	---	---	0.142	1960
1961	---	---	0	0.076	0.282	0.278	0.511	0.022	0	0.007	---	---	0.145	1961
1962	---	---	0	0.026	0.422	0.088	0.003	0	0	0.012	---	---	0.088	1962
1963	---	---	0	0.048	0.520	0.053	0	0	0	0	---	---	0.078	1963
1964	---	---	0	0	0.278	0.318	0.089	0.001	0	0	---	---	0.081	1964
1965	---	---	0	0	0.274	0.300	0	0.187	0	0	---	---	0.085	1965
1966	---	---	0	0	0.211	0.388	0.177	0.091	0	0	---	---	0.108	1966
1967	---	---	0	0	0	0.528	0.235	0.188	0	0	---	---	0.118	1967
1968	---	---	0	0	0.623	0.005	0.388	0.088	0	0	---	---	0.137	1968
1969	---	---	0	0	0.272	0.248	0.345	0.234	0	0	---	---	0.138	1969
1970	---	---	0	0	0.513	0.224	0.278	0.008	0	0	---	---	0.141	1970
1971	---	---	0	0	0.480	0.008	0.482	0.185	0	0	---	---	0.143	1971
1972	---	---	0	0	0.538	0	0.536	0.038	0	0	---	---	0.141	1972
1973	---	---	0	0	0.542	0	0.410	0.158	0	0	---	---	0.140	1973
1974	---	---	0	0	0	0.581	0.360	0.004	0	0	---	---	0.117	1974
1975	---	---	0	0	0	0.534	0.328	0.117	0	0	---	---	0.123	1975
1976	---	---	0	0	0.483	0.120	0.348	0	0	0	---	---	0.117	1976
1977	---	---	0	0	0.667	0	0.474	0.002	0	0	---	---	0.144	1977
1978	---	---	0	0	0.021	0.484	0	0	0	0	---	---	0.080	1978
1979	---	---	0	0	0.085	0.484	0.275	0	0	0	---	---	0.089	1979
1980	---	---	0	0	0.578	0.005	0.381	0	0	0	---	---	0.120	1980
1981	---	---	0	0.088	0.430	0	0	0	0	0	---	---	0.068	1981
1982	---	---	0	0	0	0.402	0	0	0	0	---	---	0.048	1982
1983	---	---	0	0	0.548	0	0	0	0	0	---	---	0.088	1983
1984	---	---	0	0	0.324	0	0	0	0	0	---	---	0.041	1984
1985	---	---	0	0	0.188	0.492	0	0	0	0	---	---	0.068	1985
1986	---	---	0	0	0.442	0.078	0	0	0	0	---	---	0.085	1986
1987	---	---	0	0	0.481	0.013	0	0	0	0	---	---	0.080	1987
1988	---	---	0	0	0.598	0	0	0	0	0	---	---	0.078	1988
MEAN	---	---	0	0.018	0.191	0.181	0.148	0.053	0.001	0.004	---	---	0.073	MEAN

LOCATION - LAT 49 20 00 N
LONG 109 29 40 W REGULATED

INTERNATIONAL GAUGING STATION

MCKINNON DITCH NEAR CONSUL - STATION NO. 11AB044

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1911	---	---	0 ON OCT 20 *	---	1911
1912	---	0 ON MAR 1	0 ON MAR 1	0	1912
1913	---	0 ON MAR 1	0 ON MAR 1	0	1913
1914	---	0 ON MAR 1	0 ON MAR 1	0	1914
1915	---	0 ON MAR 1	0 ON MAR 1	0	1915
1916	---	0 ON MAR 1	0 ON MAR 1	0	1916
1917	---	---	0 ON MAR 1	---	1917
1918	---	---	0 ON MAR 1	---	1918
1919	---	---	0 ON JUL 15	---	1919
1920	---	0.331 ON APR 28	0 ON MAR 1	487	1920
1921	---	---	0E ON MAR 1	---	1921
1922	---	0 ON MAR 1	0 ON MAR 1	0	1922
1923	---	0.178 ON MAY 11	0 ON MAR 1	233	1923
1924	---	0.184 ON JUN 11	0 ON MAR 1	318	1924
1925	---	0.229 ON MAY 18	0 ON MAR 1	531	1925
1927	---	0 ON MAR 1	0 ON MAR 1	0	1927
1928	---	0 ON MAR 1	0 ON MAR 1	0	1928
1929	---	0.025 ON JUL 5	0 ON MAR 1	10.8	1929
1930	---	0.184 ON APR 5	0 ON MAR 1	712	1930
1931	---	0.266 ON MAY 3	0 ON MAR 1	806	1931
1941	---	0.308 ON APR 11	0 ON MAR 1	882	1941
1942	---	0.348 ON APR 30	0 ON MAR 1	882	1942
1943	---	---	0 ON MAY 20	---	1943
1944	---	---	0 ON JUL 24	---	1944
1945	---	0.105E ON OCT 1	0E ON APR 1	787	1945
1947	---	0.379 ON MAY 15	0 ON MAR 1	1 300	1947
1948	---	0.541 ON JUL 21	0 ON MAR 1	1 880	1948
1949	---	0.640 ON APR 15	0 ON MAR 1	2 420	1949
1950	---	0.604 ON AUG 3	0 ON MAR 1	1 980	1950
1951	---	0.604 ON MAY 4	0 ON MAR 1	884	1951
1952	---	1.76 ON JUL 26	0 ON MAR 1	1 630	1952
1953	---	0.530 ON AUG 7	0 ON MAR 1	1 320	1953
1954	---	0.988 ON JUL 24	0 ON MAR 1	1 630	1954
1955	---	0.580 ON JUN 20	0 ON MAR 1	1 010	1955
1956	---	0.885 ON JUN 19	0 ON MAR 1	1 710	1956
1957	---	0.885 ON JUN 4	0 ON MAR 1	2 280	1957
1958	---	0.940 ON JUN 1	0E ON MAR 1	3 230	1958
1959	---	0.821 ON JUN 8	0 ON MAR 1	3 040	1959
1960	---	0.580 ON JUN 7	0 ON MAR 1	2 010	1960
1961	---	0.691 ON JUL 28	0 ON MAR 1	3 070	1961
1962	---	0.795 ON MAY 25	0 ON MAR 1	1 460	1962
1963	---	0.825 ON MAY 25	0 ON MAR 1	1 860	1963
1964	---	0.876 ON JUN 29	0 ON MAR 1	1 720	1964
1965	---	0.977 ON JUN 5	0 ON MAR 1	3 010	1965
1966	---	1.13 ON MAY 30	0 ON MAR 1	2 310	1966
1967	---	0.889 ON JUN 8	0 ON MAR 1	3 800	1967
1968	---	0.988 ON MAY 20	0 ON MAR 1	2 810	1968
1969	---	1.29 ON JUL 29	0 ON MAR 1	3 930	1969
1970	---	1.48 ON JUL 24	0 ON MAR 1	2 980	1970
1971	---	1.41 ON JUL 30	0 ON MAR 1	3 040	1971
1972	---	1.44 ON JUL 20	0 ON MAR 1	2 880	1972
1973	---	1.21 ON MAY 27	0 ON MAR 1	2 870	1973
1974	---	1.45 ON JUN 19	0 ON MAR 1	2 480	1974
1975	---	1.93 ON JUN 18 *	0E ON MAR 1	2 880	1975
1976	---	1.38 ON MAY 25	0 ON MAR 1	2 480	1976
1977	---	1.78 ON MAY 19	0 ON MAR 1	3 060	1977
1978	---	1.31 ON JUN 11	0 ON MAR 1	1 280	1978
1979	---	1.28 ON JUN 2	0 ON MAR 1	2 060	1979
1980	---	1.38 ON MAY 23	0 ON MAR 1	2 530	1980
1981	---	1.32 ON MAY 8	0 ON MAR 1	1 400	1981
1982	---	1.55 ON JUN 14	0 ON MAR 1	1 040	1982
1983	---	1.45 ON MAY 8	0 ON MAR 1	1 470	1983
1984	---	0.901 ON MAY 17	0 ON MAR 1	868	1984
1985	---	1.41 ON JUN 13	0 ON MAR 1	1 810	1985
1986	---	1.31 ON MAY 26	0 ON MAR 1	1 380	1986
1987	---	1.57 ON MAY 25	0 ON MAR 1	1 260	1987
1988	---	1.65 ON MAY 13	0 ON MAR 1	1 800	1988
				1 840	MEAN

E - ESTIMATED

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

MCRAE COULEE AT INTERNATIONAL BOUNDARY - STATION NO. 11AB070

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1927	---	---	0.551	0.355	0.044	0.050	0.013	0	0	0	---	---	---	1927
1928	---	---	0.026	0.518	0	0	M	M	0	0	---	---	---	1928
1929	---	---	0	0	0	0	0	0	0	0	0	0	---	1929
1930	0	0.057	0.752	0.086	0	0	0	0	0	0	0	0	0.078	1930
1931	0	0	0	0	0	0.034	0.007	0	0	0	0	0	0.003	1931
1932	0	0	0.017	0.002	0	0	0	0	0	0	0	0	0.002	1932
1933	0	0	0	0	0	0.001	0	0.002	0.004	0	0	0	0.001	1933
1934	0	0.038	0.282	0.017	0	0	0	0	0	0	0	0	0.028	1934
1935	0	0	0.228	0.140	0	0	0.071	0	0	0	0	0	0.037	1935
1936	0	0	0	0.836	0	0	0	0	0	0	0	0	0.044	1936
1937	0	0	0.007	0.363	0	0	0	0	0	0	0	0	0.022	1937
1938	---	---	0.358	0.081	0.004	0.002	0	0	0	0	---	---	---	1938
1939	---	---	0.525	0	0	0	0	0	0	0	---	---	---	1939
1940	---	---	0	1.25	0.039	0	0	0	0	0	---	---	---	1940
1941	---	---	0.868	0	0	0	0	0	0	0	---	---	---	1941
1942	---	---	0.015	0.002	0	0.081	0	0	0	0	---	---	---	1942
1943	---	---	1.89	0.047	0	0	0	0	0	0	---	---	---	1943
1944	---	---	0.003	0	0	0.002	0.347	0	0	0	---	---	---	1944
1945	---	---	0.243	0	0	0	0	0	0	0	---	---	---	1945
1946	---	---	0.184	0	0	0	0	0	0	0	---	---	---	1946
1947	---	---	0.557	0.121	0	0	0	0	0	0	0	0	---	1947
1948	0	0	0	0	0	0	0	0	0	0	0	0	0	1948
1949	0	0	0	0	0	0	0	0	0	0	---	---	---	1949
1950	---	---	0	0.648	0	0	0	0	0	0	---	---	---	1950
1951	---	---	0	0.550	0.002	0	0	0.001	0.001	0	---	---	---	1951
MEAN	0	0.008	0.263	0.198	0.035	0.008	0.018	0	0	0	0	0	0.025	MEAN

LOCATION - LAT 49 01 00 N LONG 109 43 10 W DRAINAGE AREA, 157 km² NATURAL FLOW INTERNATIONAL GAUGING STATION

REMARKS - MAXIMUM INSTANTANEOUS DISCHARGE FOR 1952 WAS 33.8 m³/s ON APR 07

MCRAE COULEE AT INTERNATIONAL BOUNDARY - STATION NO. 11AB070

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1927	---	10.7 ON MAY 23	0 ON MAR 1 *	---	1927
1928	4.70 AT 17:00 MST ON APR 2	3.23 B ON APR 3	0 ON MAR 1	---	1928
1929	0 AT 00:00 MST ON MAR 1	0 ON MAR 1	0 ON MAR 1	---	1929
1930	4.67 B ON MAR 28	3.84 B ON MAR 28	0 ON JAN 1	2 400	1930
1931	4.25 ON JUN 30	1.02 ON JUN 30	0 ON JAN 1	106	1931
1932	0.3809 AT 20:00 MST ON MAR 24	0.0889 ON MAR 25	0 ON JAN 1	50.3	1932
1933	0.113 AT 11:00 MST ON JUN 29	0.076 ON AUG 22	0 ON JAN 1	17.7	1933
1934	---	0.7089 ON MAR 1	0 ON JAN 1	838	1934
1935	10.2 AT 19:00 MST ON JUL 21	2.18 B ON MAR 24	0 ON JAN 1	1 170	1935
1936	18.7 AT 23:00 MST ON APR 12	7.80 ON APR 12	0 ON JAN 1	1 390	1936
1937	6.12 AT 23:30 MST ON APR 7	4.05 ON APR 8	0 ON JAN 1	1 010	1937
1938	10.7 AT 01:00 MST ON MAR 27	4.38 ON MAR 27	0 ON MAR 1	---	1938
1939	9.91 AT 23:30 MST ON MAR 23	5.44 ON MAR 23	0 ON MAR 1	---	1939
1940	17.8 AT 23:00 MST ON APR 19	11.4 ON APR 19	0 ON MAR 1	---	1940
1941	14.5 B AT 22:00 MST ON MAR 21	8.58 B ON MAR 21	0B ON KAR 1	---	1941
1942	1.16 AT 21:30 MST ON JUN 8	0.584 ON JUN 7	0 ON MAR 1	---	1942
1943	27.8 ON MAR 28 *	25.0 ON MAR 28 *	0 ON MAR 1	---	1943
1944	23.4 AT 11:30 MST ON JUL 5	4.04 ON JUL 5	0 ON MAR 1	---	1944
1945	3.67 AT 21:00 MST ON MAR 19	2.32 ON MAR 20	0 ON MAR 1	---	1945
1946	1.81 AT 21:00 MST ON MAR 11	1.15 ON MAR 11	0 ON MAR 1	---	1946
1947	10.5 AT 22:00 MST ON MAR 30	7.05 ON MAR 30	0B ON MAR 1	---	1947
1948	0 AT 00:00 MST ON MAR 1	0 ON JAN 1	0 ON MAR 1	0	1948
1949	0 AT 00:00 MST ON MAR 1	0 ON JAN 1	0 ON JAN 1	---	1949
1950	13.5 AT 12:45 MST ON APR 7	8.03 ON APR 13	0 ON MAR 1	---	1950
1951	---	4.61 B ON APR 10	0 ON MAR 1	---	1951
				778	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

MCSHANE CREEK AT SMALL'S RANCH - STATION NO. 05NA010

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1909	---	---	---	---	0.161	---	0.008	0	0	0	---	---	---	1909
1910	---	---	---	---	---	---	---	---	---	---	---	---	---	1910
1911	---	---	---	0.051	0.018	0.003	0.018	0.003	0.031	0.008	---	---	---	1911
1912	---	---	---	0.141	0.084	0.021	0	0.004	0	0	---	---	---	1912
1913	---	---	---	---	0.033	0.004	0.005	---	---	---	---	---	---	1913
1914	---	---	---	0.107	0.007	0	0	0	0.032	0.141	---	---	---	1914
1915	---	---	---	---	---	---	---	---	---	---	---	---	---	1915
MEAN	---	---	---	0.100	0.057	0.007	0.008	0.002	0.018	0.037	---	---	---	MEAN

LOCATION - LAT 48 47 10 N LONG 109 35 42 W DRAINAGE AREA, 46.6 km² NATURAL FLOW

MCSHANE CREEK AT SMALL'S RANCH - STATION NO. 05HA010

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1909	---	---			
			0 ON JUN 1 *	---	1909
1910	---	---			
			0 ON APR 23	---	1910
1911	---	---	0 ON APR 3	---	1911
1912	---	---	0 ON MAY 26	---	1912
1913	---	---	0 ON APR 22	---	1913
1914	---	---	0 ON MAR 30	---	1914
1915	---	---			
			0 ON AUG 26	---	1915
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

MEADOW RIVER BELOW MEADOW LAKE - STATION NO. 05AD010

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1958	---	---	---	14.1	21.0	8.21	3.48	2.38	2.01	1.91	1.43	0.837	---	1958
1959	---	---	---	30.8	38.3	25.7	12.4	5.28	3.43	2.74	2.18	---	---	1959
1960	---	---	---	---	8.80	3.21	2.37	2.03	1.48	0.888	---	---	---	1960
1961	---	---	---	---	---	---	---	---	---	---	---	---	---	1961
1964	---	---	---	2.09	4.38	2.90	1.83	1.28	0.828	0.704	---	---	---	1964
1968	---	---	---	---	1.89	---	---	---	---	---	---	---	---	1968
1974	---	---	---	16.5	48.0	---	---	---	---	---	---	---	---	1974
1975	---	---	0.283	1.98	10.4	10.6	14.9	9.30	4.98	2.50	---	---	---	1975
1976	---	---	0.338	3.78	2.54	0.827	1.11	1.06	0.738	0.872	0.285	0.089	---	1976
1977	0.015	0.041	0.144	1.71	4.77	8.16	1.61	1.01	0.760	1.08	0.385	0.848	1.43	1977
1978	0.585	0.178	0.612	4.08	18.3	11.0	3.30	1.16	0.827	0.600	0.223	0.089	3.41	1978
1979	0.006	0	0.003	1.08	11.1	8.81	5.25	2.88	1.70	1.02	0.889	0.288	2.81	1979
1980	0	0	0	2.82	3.87	1.31	0.883	0.642	1.88	2.38	1.23	0.883	1.30	1980
1981	0.057	0.088	0.898	4.18	4.82	1.87	0.889	0.203	0.086	0.028	0.038	0.027	1.04	1981
1982	0.014	0	0	0.820	12.2	4.25	1.41	0.388	0.113	0.487	0.408	0.408	1.73	1982
1983	0.578	0.728	0.788	2.38	4.20	1.53	0.770	0.308	0.207	0.225	0.223	0.118	1.01	1983
1984	0.006	0	0.002	1.58	7.10	21.6	9.73	2.87	1.40	0.874	0.932	0.644	3.87	1984
1985	0.007	0	0	7.75	30.3	17.6	8.42	2.87	1.47	0.881	0.172	0	5.85	1985
1986	0	0	0.048	5.24	8.31	7.50	5.40	8.44	2.84	1.23	0.788	0.774	3.41	1986
1987	0.524	0.408	0.875	3.78	3.14	0.731	0.718	0.884	0.381	0.125	0.100	0.081	0.828	1987
1988	0.008	0	0	2.80	3.88	2.48	2.70	7.88	18.2	8.38	2.89	1.05	3.71	1988
MEAN	0.151	0.120	0.280	5.98	12.2	7.43	4.18	2.80	2.31	1.32	0.788	0.381	2.52	MEAN

LOCATION - LAT 54 08 10 N DRAINAGE AREA, 3 340 km^2
LONG 108 33 40 W NATURAL FLOW

MEADOW RIVER BELOW MEADOW LAKE - STATION NO. 05AD010

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1958	---	---	---	---	1958
1959	---	---	---	---	1959
1960	---	---	---	---	1960
1961	---	---	---	---	1961
1964	---	---	---	---	1964
1968	---	---	---	---	1968
1974	---	---	---	---	1974
1975	---	---	---	---	1975
1976	---	---	---	---	1976
1977	12.7 AT 13:08 CST ON MAY 29	10.8 ON MAY 29		---	1977
1978	23.8 AT 19:47 CST ON MAY 12	22.4 ON MAY 11	0 B ON JAN 15 *	45 000	1978
1979	12.8 AT 21:23 CST ON MAY 19	12.0 ON MAY 18	0.0378 ON DEC 30	108 000	1979
			0 B ON JAN 20	88 800	
1980	7.81 AT 12:43 CST ON APR 29	8.88 ON APR 28	0 B ON JAN 1	41 200	1980
1981	7.43 AT 08:47 CST ON MAY 1	6.24 ON MAY 1	0.004 ON OCT 17	33 800	1981
1982	15.7 AT 16:21 CST ON MAY 13	15.2 ON MAY 11	0 B ON FEB 4	54 500	1982
1983	7.12 AT 18:48 CST ON MAY 7	6.70 ON MAY 7	0.0418 ON DEC 31	31 800	1983
1984	27.4 AT 11:45 CST ON JUN 18	26.6 ON JUN 18	0 B ON JAN 18	122 000	1984
1985	39.8 AT 18:38 CST ON MAY 10 *	38.0 ON MAY 11 *	0 B ON JAN 17	178 000	1985
1986	15.1 AT 01:18 CST ON MAY 22	13.2 ON MAY 29	0 B ON JAN 1	107 000	1986
1987	8.32 AT 18:05 CST ON MAY 1	8.85 ON APR 29	0.0318 ON DEC 29	28 200	1987
1988	34.0 AT 07:37 CST ON AUG 30	30.6 ON AUG 30	0 B ON JAN 12	117 000	1988
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		78 800	MEAN

MEADOW RIVER NEAR MEADOW LAKE - STATION NO. 08AD003

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1933	---	---	---	---	30.9	51.1	18.7	7.45	6.45	---	---	---	---	1933
1934	---	---	---	---	13.1	8.13	9.40	3.70	4.38	---	---	---	---	1934
1935	---	---	---	---	12.5	3.76	2.78	1.61	0.549	0.508	---	---	3.87	1935
1936	---	---	---	---	7.07	2.45	1.41	0.286	0.141	0.388	---	---	1.88	1936
1937	---	---	---	---	9.61	4.21	1.38	0.328	0.048	0.002	---	---	2.80	1937
1938	---	---	---	---	1.18	0.787	0.424	0.057	0.005	0.001	---	---	0.410	1938
1939	---	---	---	---	1.11	1.06	1.31	0.248	0.057	0.040	---	---	0.638	1939
1940	---	---	---	---	0.385	0.211	0.108	0.048	0.001	0	---	---	0.125	1940
MEAN	---	---	---	---	9.48	8.96	4.44	1.74	1.48	0.153	---	---	1.87	MEAN

LOCATION - LAT 54 13 30 N
LONG 108 22 30 W
DRAINAGE AREA, 3 420 km²
NATURAL FLOW

MEADOW RIVER NEAR MEADOW LAKE - STATION NO. 08AD003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1933	---	88.8 ON JUN 2 *	---	---	1933
1934	---	17.0 E ON MAY 1	---	---	1934
1935	---	20.4 ON MAY 8	0.051 ON SEP 30	58 400	1935
1936	---	10.0 ON MAY 2	0.057 ON SEP 11	31 100	1936
1937	---	11.8 ON MAY 15	0 ON SEP 24 *	41 300	1937
1938	---	1.44 ON MAY 11	0 ON SEP 2	8 630	1938
1939	---	3.01 ON JUL 10	0.031 ON OCT 2	10 200	1939
1940	---	0.844 ON MAY 26	0 ON SEP 10	1 990	1940
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		24 900	MEAN

E - ESTIMATED

MELFORT CREEK NEAR MELFORT - STATION NO. 05KB001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1928	---	---	---	---	---	0.383	0.244	0.080	0.009	0.006	0.001	0	---	1928
1929	0	0	0	3.09	0.471	0.154	0.114	0.008	0	0	0	0	0.234	1929
1930	0	0	0	0.282	0.153	0.051	0.058	0.002	0.004	0.035	0.022	0	0.051	1930
1931	0	0.003	0.047	0.206	---	---	---	---	---	---	---	---	---	1931
1972	---	---	---	---	---	---	---	---	---	---	---	---	---	1972
1974	---	---	0	10.3	---	---	---	---	---	---	---	---	---	1974
MEAN	0	0.001	0.012	3.22	0.312	0.198	0.138	0.033	0.004	0.013	0.008	0	0.143	MEAN

LOCATION - LAT 52 50 28 N
LONG 104 32 26 W
DRAINAGE AREA, 417 km²
REGULATED

MELFORT CREEK NEAR MELFORT - STATION NO. 05KB001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1928	---	---	0 ON SEP 22 *	---	1928
1929	---	5.47 B ON APR 20 *	0B ON JAN 1	7 390	1929
1930	---	0.778 ON APR 10	0B ON JAN 1	1 590	1930
1931	---	---	0B ON JAN 1	---	1931
1972	112 ON APR 24 *	---	---	---	1972
1974	---	---	---	---	1974
	B - ICE CONDITIONS*	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		4 490	MEAN

MIDDLE CREEK ABOVE LODGE CREEK - STATION NO. 11AB005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1911	---	---	---	0.212	0.112	0.058	0.171	0	1.35	0.042	---	---	---	1911
1912	---	---	---	8.93	0.361	0.078	0	0	0	0	---	---	---	1912
1913	---	---	---	4.38	0.190	0.034	0.046	0	0	0	---	---	---	1913
1914	---	---	---	1.69	0.035	0	0	0	0	0.178	---	---	---	1914
1915	---	---	1.41	2.15	0.021	0.028	0.217	0.288	0.031	0.038	---	---	0.617	1915
1916	---	---	---	0.884	0.313	0.094	0.492	0.091	0.018	0.038	---	---	---	1916
1917	---	---	0	12.8	2.83	0.080	0.051	0	0	0	---	---	1.87	1917
1918	---	---	---	7.29	0.318	0.013	0	0	0	0	---	---	---	1918
1919	---	---	0	0.831	0.045	0.001	0	0	0	0	---	---	0.083	1919
1920	---	---	0.125	1.67	1.06	0.808	0.097	0	0	0	---	---	0.431	1920
1921	---	---	0.023	2.81	0.508	0.027	0.085	0	0	0	---	---	0.398	1921
1922	---	---	0	7.23	1.36	0.087	0.015	0	0	0	---	---	1.07	1922
1923	---	---	0.015	1.01	0.072	0.851	0.995	0.051	0.001	0	---	---	0.378	1923
1924	---	---	0	0.606	0.034	0.507	0.003	0.051	0	0	---	---	0.147	1924
1925	---	---	1.57	4.46	0.128	0.144	0.001	0	0	0	---	---	0.777	1925
1926	---	---	0.402	0.173	0.005	0	0.537	0	0	0	---	---	0.181	1926
1927	---	---	1.23	5.68	5.32	0.853	0.224	0.041	0	0.028	---	---	1.62	1927
1928	---	---	3.08	2.16	0.078	0.010	0.011	0.002	0	0	---	---	0.883	1928
1929	---	---	0.066	1.78	0.774	0.051	0	0	0	0	---	---	0.333	1929
1930	---	0.068	0.826	1.78	0.052	0.007	0	0	0	0	---	---	0.308	1930
1931	---	---	0.038	0.023	0	0	0	0	0	0	---	---	0.008	1931
1932	---	---	0.018	0.380	0.040	1.08	0.010	0	0	0	---	---	0.185	1932
1933	---	---	0.023	0.138	0.003	0	0.542	0	0	0	---	---	0.089	1933
1934	---	---	0.002	0.010	0.118	0	0	0	0	0	---	---	0.018	1934
1935	---	---	0	1.13	0.180	1.73	0.888	0.008	0.017	0.027	---	---	0.488	1935
1936	---	---	0.782	0.873	0.318	0.078	0.018	0	0	0.072	---	---	0.252	1936
1937	---	---	0.040	1.71	1.82	0.081	0.111	0	0	0.018	---	---	0.442	1937
1938	---	---	0.089	0.248	0.042	0.092	0	0	0	0	---	---	0.058	1938
1939	---	---	---	1.37	0.018	0.001	0	0	0	0	---	---	---	1939
1970	---	---	0.011	0.283	0.588	0.004	0	0	0	0.018	---	---	0.112	1970
1971	---	---	---	0.818	0.068	0.006	0.003	0.189	0.006	0.011	---	---	---	1971
1972	---	---	---	0.118	0.050	0.525	0.124	0	0	0.006	---	---	---	1972
1973	---	---	0.177	0.100	0.130	0.038	0	0	0	0	---	---	0.058	1973
1974	---	---	0.083	0.384	0.288	0.074	0.001	0.128	0.013	0	---	---	0.128	1974
1975	---	---	0	0.824	0.582	0.382	0.017	0	0	0.018	---	---	0.222	1975
1976	---	---	0.418	0.070	0.038	0.012	0.091	0	0	0	---	---	0.088	1976
1977	---	---	0.044	0.007	0.288	0.030	0	0	0	0	---	---	0.041	1977
1978	---	---	0.008	0.882	0.058	0.033	0.004	0.002	0.001	0	---	---	0.122	1978
1979	---	---	0.718	0.304	0.108	0.017	0.014	0	0	0	---	---	0.148	1979
1980	---	---	0.004	0.008	0.227	0.047	0.002	0	0	0	---	---	0.038	1980
1981	---	---	0.031	0	0.113	0.017	0	0	0	0	---	---	0.020	1981
1982	---	---	0	0.580	0.123	0.080	0	0	0	0	---	---	0.088	1982
1983	---	---	0.011	0.003	0.018	0	0	0	0	0	---	---	0.004	1983
1984	---	---	0	0	0	0	0	0	0	0	---	---	0	1984
1985	---	---	0	0	0.203	0.178	0.004	0	0	0	---	---	0.048	1985
1986	---	0.134	0.882	0.030	0.082	0.002	0	0	1.78	0.236	---	---	0.378	1986
1987	---	0.188	0.585	0.118	0.017	0.007	0	0	0	0	---	---	0.088	1987
1988	---	---	0.006	0.003	0	0.138	0.001	0	0	0	---	---	0.018	1988
MEAN	---	0.120	0.330	1.88	0.418	0.181	0.083	0.018	0.088	0.015	---	---	0.312	MEAN

LOCATION - LAT 49 08 01 N
LONG 109 48 02 W

DRAINAGE AREA, 718 km²
REGULATED

INTERNATIONAL GAUGING STATION

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1911	---	12.8 ON SEP 8	0 ON MAR 14 *	---	1911
1912	---	26.0 E ON APR 5	0E ON APR 1	---	1912
1913	---	---	0 ON JUL 12	---	1913
1914	---	---	0 ON MAY 22	---	1914
1915	---	11.9 ON APR 6	0B ON MAR 1	11 000	1915
1916	---	---	0 ON AUG 27	---	1916
1917	---	22.7 ON APR 22	0B ON MAR 1	41 700	1917
1918	---	---	0 ON JUL 8	---	1918
1919	---	1.98 ON APR 22	0B ON MAR 1	1 780	1919
1920	---	8.12 ON JUN 18	0B ON MAR 1	9 130	1920
1921	---	14.8 ON APR 18	0B ON MAR 1	8 610	1921
1922	---	33.1 ON APR 24 *	0B ON MAR 1	22 800	1922
1923	---	11.7 ON JUN 22	0B ON MAR 1	7 830	1923
1924	---	4.30 ON JUN 8	0B ON MAR 1	3 110	1924
1925	---	15.1 ON APR 24	0B ON MAR 1	15 400	1925
1926	---	5.44 ON JUL 3	0 ON MAY 16	4 050	1926
1927	---	31.7 E ON MAY 23	0B ON MAR 1	38 400	1927
1928	---	24.1 B ON MAR 26	0B ON MAR 1	14 000	1928
1929	---	5.44 ON APR 24	0B ON MAR 1	7 050	1929
1930	---	11.4 ON APR 8	0 ON JUN 17	6 480	1930
1931	---	0.2288 ON MAR 23	0B ON MAR 1	182	1931
1982	18.8 AT 12:00 MST ON JUN 14	13.3 ON JUN 14	0B ON MAR 1	3 810	1982
1983	3.45 AT 22:00 MST ON JUL 5	3.37 ON JUL 6	0 ON MAY 6	1 880	1983
1984	1.93 AT 22:00 MST ON MAY 14	1.68 ON MAY 15	0B ON MAR 1	347	1984
1985	12.8 AT 18:00 MST ON JUN 26	8.17 ON JUN 27	0B ON MAR 1	8 920	1985
1986	10.0 AT 13:30 MST ON MAR 31	7.70 ON MAR 31	0B ON MAR 1	5 320	1986
1987	---	4.95 ON MAY 6	0B ON MAR 1	9 380	1987
1988	0.888 AT 10:00 MST ON APR 2	0.871 ON APR 3	0 ON MAY 21	1 240	1988
1989	13.1 AT 11:11 MST ON APR 7	11.3 ON APR 7	0 ON JUN 3	---	1989
1970	1.88 AT 23:15 MST ON MAY 12	1.50 ON MAY 17	0B ON MAR 1	2 370	1970
1971	1.67 B AT 10:20 CST ON APR 10	1.59 B ON APR 10	0 ON JUN 4	---	1971
1972	4.18 AT 05:20 CST ON JUN 25	3.94 ON JUN 25	0 ON JUN 17	---	1972
1973	1.84 B AT 13:00 CST ON MAR 8	1.02 B ON MAR 8	0B ON MAR 1	1 180	1973
1974	1.27 B AT 12:45 CST ON MAR 30	1.21 ON MAY 23	0B ON MAR 1	2 720	1974
1975	4.83 AT 05:40 CST ON MAY 6	3.78 ON MAY 6	0B ON MAR 1	4 700	1975
1976	---	1.88 B ON MAR 21	0 ON MAY 15	1 440	1976
1977	1.07 AT 05:15 CST ON MAY 15	0.909 ON MAY 15	0 ON MAY 2	870	1977
1978	5.78 AT 22:00 CST ON APR 6	4.84 ON APR 6	0B ON MAR 1	3 580	1978
1979	---	2.50 B ON MAR 18	0B ON MAR 1	3 080	1979
1980	0.458 AT 05:15 CST ON MAY 27	0.431 ON MAY 27	0B ON MAR 1	787	1980
1981	0.888 AT 20:22 CST ON MAY 31	0.408 ON MAY 24	0B ON MAR 28	430	1981
1982	---	2.34 ON APR 25	0B ON MAR 1	2 040	1982
1983	0.118 AT 00:35 CST ON MAY 17	0.106 ON MAY 17	0 ON MAR 1	80.7	1983
1984	0 AT 00:00 CST ON MAR 1	0 ON MAR 1	0 ON MAR 1	0	1984
1985	1.38 AT 18:40 CST ON MAY 7	1.12 ON MAY 8	0 ON MAR 1	1 010	1985
1986	20.8 AT 12:40 CST ON SEP 28 *	18.6 ON SEP 28	0 ON JUN 5	7 840	1986
1987	3.86 B AT 15:36 CST ON MAR 8	2.83 B ON MAR 8	0 ON JUN 17	1 880	1987
1988	0.840 AT 17:23 CST ON JUN 18	0.545 ON JUN 17	0 ON MAR 1	373	1988
				6 810	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

MIDDLE CREEK BELOW MIDDLE CREEK RESERVOIR - STATION NO. 11AB001

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1909	---	---	---	---	---	---	---	0.010	0.010	0.010	---	---	---	1909
1910	---	---	---	0.026	0.013	0.011	0.014	0.012	0.012	0.012	---	---	---	1910
1911	---	---	---	0.373	0.087	0.020	0.110	0.018	0.378	0.014	---	---	---	1911
1912	---	---	---	8.44	0.158	0.023	0.009	0.011	0.012	0.010	---	---	---	1912
1913	---	---	---	---	0.015	0.008	0.011	0.011	0.005	0.007	---	---	---	1913
1914	---	---	---	1.18	0.011	0.012	0.008	0.008	0.007	0.010	---	---	---	1914
1915	---	---	---	1.75	0.014	0.017	0.070	0.397	0.010	0.010	---	---	---	1915
1916	---	---	5.11	0.318	0.298	0.557	0.724	0.108	0.022	0.018	---	---	0.902	1916
1917	---	---	0	8.78	3.11	0.095	0.025	0.011	0.085	0.044	---	---	1.25	1917
1918	---	---	1.78	5.26	0.145	0.040	0.029	0.018	0.515	0.018	---	---	0.804	1918
1919	---	---	0.012	0.389	0.019	0.018	0.011	0.009	0.009	0.013	---	---	0.080	1919
1920	---	---	0.024	1.01	0.984	---	0	0	0	0	---	---	---	1920
1921	---	---	0.048	1.41	0.235	0	---	0	0	0	---	---	---	1921
1922	---	---	0	3.75	0.816	0	0	0	0	0	---	---	0.883	1922
1923	---	---	0	0.893	0.023	---	---	---	0	0	---	---	---	1923
1924	---	---	0	0.434	0	---	0	0	0	0	---	---	---	1924
1925	---	---	0.378	2.86	0.048	---	0	0	0	0	---	---	---	1925
1926	---	---	0.876	0.200	0	0	0.115	0	0	0	---	---	0.112	1926
1927	---	---	0	5.63	4.48	0.447	0.085	0	0	0	---	---	1.32	1927
1928	---	---	1.09	1.48	0.228	0	0	0	0	0	---	---	0.348	1928
1929	---	---	0.018	1.30	0.490	0.021	0	0	0	0	---	---	0.228	1929
1930	---	0.040	0.224	1.36	0.007	0	0	0	0	0	---	---	0.198	1930
1931	---	---	0.002	0	0	0	0	0	0	0	---	---	0	1931
1935	---	---	---	---	---	---	---	---	0	0	---	---	---	1935
1936	---	---	0	0.888	0.005	0	0	0	0	0	---	---	0.083	1936
1972	---	---	0	0	0	0.058	0	0	0	0	---	---	0.007	1972
1973	---	---	0	0	0.250	0.143	0	0.037	0	0	---	---	0.054	1973
1974	---	---	0	0.301	0.084	0	0.012	0.389	0	0	---	---	0.098	1974
1975	---	---	---	---	0.020	0.151	0	0	0	0	---	---	---	1975
1976	---	---	---	0	0.114	0	0.010	0.013	0	0.043	---	---	---	1976
1977	---	---	0	0	0.385	0	0	0	0	0	---	---	0.048	1977
1978	---	---	0	0.132	0	0.014	0	0.010	0	0	---	---	0.018	1978
1979	---	---	0.078	0.003	0	0.184	0.001	0.024	0	0	---	---	0.036	1979
1980	---	---	0	0	0.473	0	0	0	0	0	---	---	0.080	1980
1981	---	---	0	0.011	0.287	0	0	0	0	0	---	---	0.035	1981
1982	---	---	0	0.008	0.082	0	0	0	0	0	---	---	0.011	1982
1983	---	---	0	0.080	0.048	0	0	0	0	0	---	---	0.013	1983
1984	---	---	0	0.008	0.024	0	0	0	0	0	---	---	0.004	1984
1985	---	---	0	0.193	0.882	0.188	0	0	0	0	---	---	0.118	1985
1986	---	0.082	0.086	0.024	0.078	0	0	0.041	0.104	0	---	---	0.038	1986
1987	---	---	0.074	0.002	0.131	0	0	0	0	0	---	---	0.028	1987
1988	---	---	0	0	0.237	0.480	0.004	0.033	0	0	---	---	0.080	1988
MEAN	---	0.051	0.288	1.21	0.348	0.088	0.033	0.028	0.015	0.005	---	---	0.245	MEAN

LOCATION - LAT 49 24 44 N
LONG 108 58 08 W

DRAINAGE AREA, 385 km²
REGULATED SINCE 1937

INTERNATIONAL GAUGING STATION

MIDDLE CREEK BELOW MIDDLE CREEK RESERVOIR - STATION NO. 11AB001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1909	---	---	---	---	1909
1910	---	---	---	---	1910
1911	---	---	---	---	1911
1912	---	47.8 ON APR 5 *	---	---	1912
1913	---	---	---	---	1913
1914	---	---	---	---	1914
1915	---	12.5 ON APR 4	---	---	1915
1916	---	22.5 ON MAR 12	0.010 ON APR 25	10 100	1916
1917	---	17.2 ON APR 15	0 E ON MAR 1 *	28 800	1917
1918	---	21.1 ON MAR 30	0 E ON MAR 1	10 100	1918
1919	---	2.24 ON APR 20	0.007 ON AUG 18	1 270	1919
1920	---	3.85 ON APR 21	0 ON MAY 25	---	1920
1921	---	---	0 E ON MAR 1	---	1921
1922	---	18.8 ON APR 22	0 E ON MAR 1	11 900	1922
1923	---	---	0 ON MAR 1	---	1923
1924	---	---	0 E ON MAR 1	---	1924
1925	---	---	0 E ON MAR 1	---	1925
1926	---	3.00 ON JUL 2	0 E ON MAR 1	2 370	1926
1927	---	28.4 ON APR 28	0 E ON MAR 1	28 000	1927
1928	---	3.54 E ON MAR 21	0 ON MAR 1	7 380	1928
1929	---	4.39 ON APR 23	0 E ON MAR 1	4 780	1929
1930	---	4.18 E ON APR 4	0 ON MAY 5	4 140	1930
1931	---	0.023 ON MAR 24	0 E ON MAR 1	8.38	1931
1935	---	---	---	---	1935
1936	---	2.69 ON APR 14	0 E ON MAR 1	1 740	1936
1972	4.08 AT 06:48 CST ON JUN 23 *	0.874R ON JUN 23	0 ON MAR 1	183	1972
1973	1.23 AT 12:13 CST ON MAY 10	1.00 ON MAY 10	0 ON MAR 1	1 140	1973
1974	1.43 AT 19:51 CST ON MAY 23	1.14 R ON APR 16	0 E ON MAR 1	2 030	1974
1975	1.80 AT 18:47 CST ON MAY 8	1.08 ON JUN 13	0 R ON MAY 8	---	1975
1976	---	1.17 ON OCT 7	---	---	1976
1977	---	1.41 ON MAY 7	0 ON MAR 1	1 030	1977
1978	1.14 E AT 18:27 CST ON APR 2	1.04 E ON APR 2	0 E ON MAR 1	404	1978
1979	1.05 AT 15:56 CST ON JUN 11	0.984 ON JUN 11	0 E ON MAR 1	764	1979
1980	1.08 AT 22:04 CST ON MAY 22	0.852 ON MAY 4	0 E ON MAR 1	1 270	1980
1981	1.11 AT 12:36 CST ON MAY 20	0.876 ON MAY 12	0 E ON MAR 1	742	1981
1982	0.804 AT 14:36 CST ON MAY 10	0.517 ON MAY 10	0 E ON MAR 1	233	1982
1983	0.948 AT 18:36 CST ON APR 28	0.583 ON APR 27	0 ON MAR 1	276	1983
1984	0.183 AT 17:06 CST ON APR 30	0.128 ON APR 30	0 ON MAR 1	77.2	1984
1985	2.24 AT 00:48 CST ON MAY 4	2.18 ON MAY 3	0 E ON MAR 1	2 480	1985
1986	---	1.38 ON SEP 28	0 ON MAR 13	806	1986
1987	1.56 ON MAR 7	1.06 ON MAY 26	0 ON MAR 1	967	1987
1988	1.48 AT 23:27 CST ON MAY 19	1.35 ON MAY 20	0 ON MAR 1	1 900	1988
				6 190	MEAN

E - ESTIMATED
R - REVISED SINCE JAN 01 1987

* - EXTREME RECORDED FOR THE PERIOD OF RECORD
B - ICE CONDITIONS

MIDDLE CREEK NEAR BATTLE CREEK - STATION NO. 11AB087

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1980	---	---	---	---	---	---	0.020	0.228	0.031	0.027	---	---	---	1980
1981	---	---	0.041	0.190	0.030	0.018	0.118	0.121	0.020	0.017	---	---	0.068	1981
1982	---	---	0.048	0.078	0.036	0.044	0.025	0.012	0.014	0.022	---	---	0.035	1982
1983	---	---	0.023	0.038	0.028	0.021	0.247	0.010	0.018	0.021	---	---	0.050	1983
1984	---	---	0.071	0.116	0.043	0.026	0.508	0.008	0.018	0.020	---	---	0.038	1984
1985	---	---	0.014	0.275	0.188	0.378	0.088	0.016	0.026	0.024	---	---	0.123	1985
1986	---	---	0.110	0.077	0.188	0.033	0.023	0.026	0.024	0.184	---	---	0.085	1986
1987	---	---	---	---	0.806	0.068	0.103	0.024	0.024	0.148	---	---	---	1987
1988	---	---	0.085	0.191	0.131	0.042	0.035	0.023	0.027	0.023	---	---	0.068	1988
1989	---	---	---	---	0.028	0.018	0.018	0.009	0.018	0.035	---	---	---	1989
1970	---	---	---	---	0.834	0.068	0.028	0.017	0.015	0.117	---	---	---	1970
1971	---	---	---	0.197	0.028	0.068	0.044	0.398	0.038	0.025	---	---	---	1971
MEAN	---	---	0.058	0.145	0.188	0.071	0.083	0.074	0.023	0.080	---	---	0.087	MEAN

LOCATION - LAT 49 24 20 N DRAINAGE AREA, 414 km^2 INTERNATIONAL GAUGING STATION
LONG 108 52 22 W REGULATED

MIDDLE CREEK NEAR BATTLE CREEK - STATION NO. 11AB087

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1980	---	---	---	---	1980
1981	---	2.84 ON APR 18	0 B ON MAR 1 *	1 470	1981
1982	---	0.306 ON JUN 14	0.008 ON AUG 14	732	1982
1983	---	5.16 ON JUL 4 *	0.008 ON AUG 6	1 070	1983
1984	---	1.38 B ON APR 1	0.002 ON JUL 30	818	1984
1985	---	4.13 ON JUN 28	0.011 ON JUN 8	2 800	1985
1986	---	3.61 ON MAY 24	0.017 ON JUL 19	1 800	1986
1987	---	---	---	---	1987
1988	---	1.23 ON MAY 29	0.0088 ON MAR 13	1 440	1988
1989	---	---	---	---	1989
1990	8.57 AT 04:44 MST ON MAY 11 *	---	---	---	1990
1991	---	---	---	---	1991
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		1 420	MEAN

MIDDLE CREEK NEAR GOVENLOCK - STATION NO. 11AB102

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1988	---	---	0.129	0.288	0.121	0.100	0.010	0.001	0.018	0.041	---	---	0.087	1988
1989	---	---	---	1.20	0.083	0.008	0.021	0	0	0.074	---	---	---	1989
1990	---	---	---	0.384	0.508	0.082	0.030	0.001	0	0.101	---	---	---	1990
1991	---	---	---	0.480	0.083	0.048	0.026	0.358	0.020	0.038	---	---	---	1991
1992	---	---	---	0.120	0.064	0.822	0.051	0.009	0.014	0.038	---	---	---	1992
1993	---	---	---	0.078	0.263	0.051	0.002	0	0	0.005	---	---	---	1993
1994	---	---	0.089	0.878	0.278	0.079	0.016	0.245	0.010	0.024	---	---	0.176	1994
1995	---	---	0.001	0.705	0.473	0.357	0.018	0.012	0.022	0.038	---	---	0.201	1995
1996	---	---	0.250	0.122	0.113	0.018	0.001	0	0	0.040	---	---	0.088	1996
1997	---	---	0.071	0.040	0.388	0.018	0.001	0	0	0.005	---	---	0.084	1997
1998	---	---	0.033	0.888	0.082	0.024	0.028	0	0.024	0.028	---	---	0.135	1998
1999	---	---	0.538	0.348	0.088	0.158	0.018	0.003	0.001	0.012	---	---	0.148	1999
2000	---	---	0.027	0.081	0.545	0.037	0.008	0.001	0.001	0.018	---	---	0.078	2000
2001	---	---	0.050	0.018	0.298	0.032	0.003	0	0	0.008	---	---	0.051	2001
2002	---	---	0	0.445	0.211	0.118	0.008	0	0	0.028	---	---	0.088	2002
2003	---	---	0.087	0.047	0.118	0.014	0.031	0	0	0.008	---	---	0.038	2003
2004	---	0.004	0.047	0.038	0.028	0.002	0	0	0	0	---	---	0.014	2004
2005	---	---	0.040	0.248	0.453	0.233	0.003	0	0	0.015	---	---	0.123	2005
2006	---	0.438	0.830	0.083	0.107	0.005	0	0	1.81	0.114	---	---	0.312	2006
2007	---	0.118	0.592	0.120	0.088	0.025	0.001	0.003	0	0.017	---	---	0.107	2007
2008	---	---	0.029	0.048	0.060	0.408	0.031	0	0	0.001	---	---	0.078	2008
MEAN	---	0.188	0.152	0.306	0.213	0.115	0.014	0.030	0.082	0.031	---	---	0.111	MEAN

LOCATION - LAT 49 13 42 N LONG 108 46 57 W DRAINAGE AREA, 885 km^2 REGULATED INTERNATIONAL GAUGING STATION

MIDDLE CREEK NEAR GOVENLOCK - STATION NO. 11AB108

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1988	1.70 AT 03:00 MST ON MAY 31	1.12 ON MAY 31	0 ON JUL 25 *	1 850	1988
1989	18.4 B AT 22:18 MST ON APR 8	12.1 B ON APR 8	0 ON JUN 13	---	1989
1990	3.84 B AT 00:17 MST ON APR 8	2.24 B ON APR 8	0 ON AUG 11	---	1990
1991	1.84 B AT 20:23 CST ON APR 18	1.22 ON APR 23	0 ON JUL 20	---	1991
1992	14.1 AT 02:55 CST ON JUN 24	8.21 ON JUN 24	---	---	1992
1993	1.01 AT 00:00 CST ON MAY 13	0.815 ON MAY 12	0 ON AUG 2	---	1993
1994	2.82 B AT 23:29 CST ON MAR 31	1.76 ON APR 20	0.001 ON JUL 24	3 740	1994
1995	8.35 AT 13:00 CST ON MAY 7	5.30 ON MAY 7	0 ON AUG 11	4 250	1995
1996	---	1.13 B ON MAR 21	0 ON JUL 10	1 480	1996
1997	1.17 AT 03:54 CST ON MAY 9	1.14 ON MAY 9	0 ON APR 27	1 350	1997
1998	8.28 B AT 23:04 CST ON APR 5	5.56 B ON APR 5	0 ON JUL 3	2 860	1998
1999	2.05 B AT 18:02 CST ON MAR 17	1.72 B ON MAR 17	0 B ON MAR 1	3 070	1999
2000	0.881 AT 21:25 CST ON MAY 7	0.639 ON MAY 8	0 B ON MAR 1	1 640	2000
2001	1.22 AT 17:53 CST ON MAY 8	0.737 ON MAY 19	0 ON JUL 27	1 070	2001
2002	3.08 AT 02:39 CST ON APR 24	2.22 ON APR 24	0 B ON MAR 1	2 100	2002
2003	0.715 AT 22:52 CST ON MAY 5	0.453 ON MAY 6	0 ON AUG 6	781	2003
2004	0.284 AT 08:15 CST ON APR 12	0.138 ON APR 12	0 ON JUN 23	298	2004
2005	1.62 AT 15:25 CST ON MAY 4	1.56 ON MAY 5	0 B ON MAR 1	2 810	2005
2006	33.4 AT 15:31 CST ON SEP 25 *	20.5 ON SEP 26 *	0 ON JUL 3	6 610	2006
2007	4.26 B AT 15:56 CST ON MAR 5	2.50 B ON MAR 5	0 ON JUL 9	2 260	2007
2008	0.882 AT 09:26 CST ON MAY 31	0.748 ON MAY 31	0 ON JUL 22	1 800	2008
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		2 350	MEAN

MIDDLE CREEK RESERVOIR BEDFORD OUTLET - STATION NO. 11AB114

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1964	---	---	0	0	0	0	0	0	0	0	---	---	0	1964
1965	---	---	0	0	0	0	0.519	0	0	0.073	---	---	0.075	1965
1966	---	---	0	0	0	0	0	0	0	0	---	---	0	1966
1967	---	---	0	0.209	0	0	0	0	0	0	---	---	0.026	1967
1968	---	---	0	0	0	0	0	0	0	0	---	---	0	1968
1969	---	---	0	0	0	0	0	0	0.287	0	---	---	0.033	1969
1970	---	---	0	0.099	1.18	0	0	0	0	0	---	---	0.182	1970
1971	---	---	0	0	0	0	0	0.082	0.217	0	---	---	0.033	1971
1972	---	---	0	0	0	0	0	0.157	0.028	0	---	---	0.023	1972
1973	---	---	0	0.588	0	0	0	0	0	0	---	---	0.072	1973
1974	---	---	0	0	0	0	0	0	0	0	---	---	0	1974
1975	---	---	0	0	0	0.138	0	0	0	0	---	---	0.017	1975
1976	---	---	0	0	0	0	0	0	0	0	---	---	0	1976
1977	---	---	0	0	0	0	0	0	0	0	---	---	0	1977
1978	---	---	0	0	0	0	0	0	0	0	---	---	0	1978
1979	---	---	0	0	0	0	0	0	0	0	---	---	0	1979
1980	---	---	0	0	0	0	0	0	0	0	---	---	0	1980
1981	---	---	0	0	0	0	0	0	0	0	---	---	0	1981
1982	---	---	0	0	0	0	0	0	0	0	---	---	0	1982
1983	---	---	0	0	0	0	0	0	0	0	---	---	0	1983
1984	---	---	0	0	0	0	0	0	0	0	---	---	0	1984
1985	---	---	0	0	0	0	0	0	0	0	---	---	0	1985
1986	---	---	0	0	0	0	0	0	0	0	---	---	0	1986
1987	---	---	0	0	0	0	0	0	0	0	---	---	0	1987
1988	---	---	0	0	0	0	0	0	0	0	---	---	0	1988
MEAN	---	---	0	0.038	0.047	0.008	0.021	0.008	0.021	0.003	---	---	0.018	MEAN

LOCATION - LAT 48 23 04 N
LONG 109 59 28 W REGULATED

MIDDLE CREEK RESERVOIR BEDFORD OUTLET - STATION NO. 11AB114

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1964	---	0 ON MAR 1	0 ON MAR 1 *	0	1964
1965	---	1.08 ON JUL 2	0 ON MAR 1	1 580	1965
1966	---	0 ON MAR 1	0 ON MAR 1	0	1966
1967	---	1.08 ON APR 6	0 ON MAR 1	542	1967
1968	---	0 ON MAR 1	0 ON MAR 1	0	1968
1969	---	1.33 ON SEP 24	0 ON MAR 1	692	1969
1970	---	1.98 ON APR 30 *	0 ON MAR 1	3 420	1970
1971	---	1.19 ON AUG 31	0 ON MAR 1	703	1971
1972	---	1.37 ON AUG 29	0 ON MAR 1	486	1972
1973	---	1.58 ON APR 18	0 ON MAR 1	1 520	1973
1974	---	0 ON MAR 1	0 ON MAR 1	0	1974
1975	---	1.05 ON JUN 17	0 ON MAR 1	359	1975
1976	---	0 ON MAR 1	0 ON MAR 1	0	1976
1977	---	0 ON MAR 1	0 ON MAR 1	0	1977
1978	---	0 ON MAR 1	0 ON MAR 1	0	1978
1979	---	0 ON MAR 1	0 ON MAR 1	0	1979
1980	---	0 ON MAR 1	0 ON MAR 1	0	1980
1981	---	0 ON MAR 1	0 ON MAR 1	0	1981
1982	---	0 ON MAR 1	0 ON MAR 1	0	1982
1983	---	0 ON MAR 1	0 ON MAR 1	0	1983
1984	---	0 ON MAR 1	0 ON MAR 1	0	1984
1985	---	0 ON MAR 1	0 ON MAR 1	0	1985
1986	0 AT 00:01 CST ON MAR 1 *	0 ON MAR 1	0 ON MAR 1	0	1986
1987	---	0 ON MAR 1	0 ON MAR 1	0	1987
1988	---	0 ON MAR 1	0 ON MAR 1	0	1988
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		373	MEAN

MIDDLE CREEK RESERVOIR FLOOD SPILLWAY - STATION NO. 11AB115

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1984	---	---	0	0	0	0	0	0	0	0	---	---	0	1984
1985	---	---	0	0	0	0	0	0	0	0	---	---	0	1985
1986	---	---	0.048	0.834	0.015	0	0	0	0	0	---	---	0.110	1986
1987	---	---	0	0	1.40	0.114	0	0	0	0	---	---	0.191	1987
1988	---	---	0	0	0	0	0	0	0	0	---	---	0	1988
1989	---	---	0	0	0	0	0	0	0	0	---	---	0	1989
1970	---	---	0	0	0	0	0	0	0	0	---	---	0	1970
1971	---	---	0	0	0	0	0	0	0	0	---	---	0	1971
1972	---	---	0	0	0	0	0	0	0	0	---	---	0	1972
1973	---	---	0	0	0	0	0	0	0	0	---	---	0	1973
1974	---	---	0	0	0	0	0	0	0	0	---	---	0	1974
1975	---	---	0	0	0	0	0	0	0	0	---	---	0	1975
1976	---	---	0	0	0	0	0	0	0	0	---	---	0	1976
1977	---	---	0	0	0	0	0	0	0	0	---	---	0	1977
1978	---	---	0	0	0	0	0	0	0	0	---	---	0	1978
1979	---	---	0	0	0	0	0	0	0	0	---	---	0	1979
1980	---	---	0	0	0	0	0	0	0	0	---	---	0	1980
1981	---	---	0	0	0	0	0	0	0	0	---	---	0	1981
1982	---	---	0	0	0	0	0	0	0	0	---	---	0	1982
1983	---	---	0	0	0	0	0	0	0	0	---	---	0	1983
1984	---	---	0	0	0	0	0	0	0	0	---	---	0	1984
1985	---	---	0	0	0	0	0	0	0	0	---	---	0	1985
1986	---	---	0	0	0	0	0	0	0	0	---	---	0	1986
1987	---	---	0	0	0	0	0	0	0	0	---	---	0	1987
1988	---	---	0	0	0	0	0	0	0	0	---	---	0	1988
MEAN	---	---	0.002	0.034	0.057	0.005	0	0	0	0	---	---	0.012	MEAN

LOCATION - LAT 49 23 02 N
LONG 109 59 55 W REGULATED

MIDDLE CREEK RESERVOIR FLOOD SPILLWAY - STATION NO. 11AB115

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1984	---	0 ON MAR 1	0 ON MAR 1 *	0	1984
1985	---	0 ON MAR 1	0 ON MAR 1	0	1985
1986	---	4.25 ON APR 1 *	0 ON MAR 1	2 330	1986
1987	---	3.45 ON MAY 18	0 ON MAR 1	4 040	1987
1988	---	0 ON MAR 1	0 ON MAR 1	0	1988
1989	---	0 ON MAR 1	0 ON MAR 1	0	1989
1970	---	0 ON MAR 1	0 ON MAR 1	0	1970
1971	---	0 ON MAR 1	0 ON MAR 1	0	1971
1972	---	0 ON MAR 1	0 ON MAR 1	0	1972
1973	---	0 ON MAR 1	0 ON MAR 1	0	1973
1974	---	0 ON MAR 1	0 ON MAR 1	0	1974
1975	---	0 ON MAR 1	0 ON MAR 1	0	1975
1976	---	0 ON MAR 1	0 ON MAR 1	0	1976
1977	---	0 ON MAR 1	0 ON MAR 1	0	1977
1978	---	0 ON MAR 1	0 ON MAR 1	0	1978
1979	---	0 ON MAR 1	0 ON MAR 1	0	1979
1980	---	0 ON MAR 1	0 ON MAR 1	0	1980
1981	---	0 ON MAR 1	0 ON MAR 1	0	1981
1982	---	0 ON MAR 1	0 ON MAR 1	0	1982
1983	---	0 ON MAR 1	0 ON MAR 1	0	1983
1984	---	0 ON MAR 1	0 ON MAR 1	0	1984
1985	---	0 ON MAR 1	0 ON MAR 1	0	1985
1986	0 AT 00:01 CST ON MAR 1 *	0 ON MAR 1	0 ON MAR 1	0	1986
1987	---	0 ON MAR 1	0 ON MAR 1	0	1987
1988	---	0 ON MAR 1	0 ON MAR 1	0	1988
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		255	MEAN

MIDDLE CREEK RESERVOIR MAIN OUTLET - STATION NO. 11AB113

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1964	---	---	0	0.249	0.046	0	0	0	0	0	---	---	0.037	1964
1965	---	---	0	0	0.502	0	0	0	0	0	---	---	0.084	1965
1966	---	---	0	0	0.389	0	0	0.048	0	0.302	---	---	0.083	1966
1967	---	---	0	0	1.20	0.215	0	0	0.022	0.489	---	---	0.240	1967
1968	---	---	0.216	0.132	0.478	0	0	0	0	0.058	---	---	0.111	1968
1969	---	---	0	0	0	0.389	0	0	0.026	0.182	---	---	0.072	1969
1970	---	---	0	0	1.31	0	0	0	0.027	0.112	---	---	0.184	1970
1971	---	---	0	0	0	0.532	0.031	0.478	0.100	0	---	---	0.142	1971
1972	---	---	0	0	0	0.182	0	0	0	0.021	---	---	0.025	1972
1973	---	---	0	0	0.505	0.189	0.012	0	0	0.004	---	---	0.080	1973
1974	---	---	0	0.388	0.237	0	0.134	0.368	0	0.013	---	---	0.142	1974
1975	---	---	0	0	0	0.219	0	0	0	0	---	---	0.027	1975
1976	---	---	0	0	0.328	0	0.138	0	0	0.078	---	---	0.089	1976
1977	---	---	0	0.047	0.548	0.018	0.058	0.058	0	0	---	---	0.081	1977
1978	---	---	0	0	0	0.118	0.072	0.048	0	0	---	---	0.030	1978
1979	---	---	0	0	0	0.487	0	0.110	0	0	---	---	0.075	1979
1980	---	---	0	0.032	0.877	0	0	0	0	0	---	---	0.115	1980
1981	---	---	0	0.101	0.477	0	0	0	0	0	---	---	0.073	1981
1982	---	---	0	0	0.181	0	0	0	0	0	---	---	0.020	1982
1983	---	---	0	0.511	0.048	0	0	0	0	0.031	---	---	0.073	1983
MEAN	---	---	0.011	0.073	0.365	0.110	0.022	0.055	0.008	0.063	---	---	0.065	MEAN

LOCATION - LAT 49 24 15 N
LONG 105 58 00 W REGULATED

MIDDLE CREEK RESERVOIR MAIN OUTLET - STATION NO. 11AB113

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1964	---	0.708 ON APR 18	0 ON MAR 1 *	773	1964
1965	---	3.17 ON MAY 5	0 ON MAR 1	1 380	1965
1966	---	2.75 ON MAY 10	0 ON MAR 1	1 870	1966
1967	---	5.88 ON MAY 17 *	0 ON MAR 1	5 070	1967
1968	---	2.83 ON MAY 4	0 ON MAR 1	2 380	1968
1969	---	2.89 ON JUN 2	0 ON MAR 1	1 530	1969
1970	---	3.91 ON MAY 5	0 ON MAR 1	3 890	1970
1971	---	2.21 ON JUN 9	0 ON MAR 1	3 000	1971
1972	---	1.93 ON JUN 21	0 ON MAR 1	528	1972
1973	---	0.742 ON MAY 18	0 ON MAR 1	1 910	1973
1974	---	1.59 ON APR 17	0 ON MAR 1	3 000	1974
1975	---	1.42 ON JUN 12	0 ON MAR 1	588	1975
1976	---	1.27 ON OCT 6	0 ON MAR 1	1 490	1976
1977	---	2.55 ON MAY 5	0 ON MAR 1	1 840	1977
1978	---	0.850 ON JUN 10	0 ON MAR 1	826	1978
1979	---	1.96 ON JUN 19	0 ON MAR 1	1 580	1979
1980	---	2.22 ON MAY 14	0 ON MAR 1	2 430	1980
1981	---	1.80 ON MAY 16	0 ON MAR 1	1 540	1981
1982	---	1.02 ON MAY 9	0 ON MAR 1	430	1982
1983	---	1.81 ON APR 15	0 ON MAR 1	1 530	1983
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		1 870	MEAN

MILLIGAN CREEK NEAR WADENA - STATION NO. 05MA023

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1964	---	---	---	---	0	---	---	---	---	---	---	---	---	1964
1965	---	---	---	0.848	---	---	---	---	---	---	---	---	---	1965
1966	---	---	---	---	0.886	---	---	---	---	---	---	---	---	1966
1967	---	---	---	---	1.38	---	---	---	---	---	---	---	---	1967
1968	---	---	0.838	1.11	---	---	---	---	---	---	---	---	---	1968
1969	---	---	---	---	0.479	---	---	---	---	---	---	---	---	1969
1970	---	---	---	2.02	0.751	0.074	---	---	---	---	---	---	---	1970
1971	---	---	---	2.36	1.13	---	---	---	---	---	---	---	---	1971
1972	---	---	---	2.31	1.14	---	---	---	---	---	---	---	---	1972
1974	---	---	---	---	2.88	2.88	---	---	---	---	---	---	---	1974
1975	---	---	0	2.83	5.74	2.23	0.837	0.257	0.071	0.012	---	---	1.49	1975
1976	---	---	0	5.38	2.58	1.45	0.838	0.237	0.088	0.001	---	---	1.41	1976
1977	---	---	0.001	0.300	0.175	0.040	0	0	0	0	---	---	0.064	1977
1978	---	---	0	0.282	0.104	0.008	0	0	0	0	---	---	0.019	1978
1979	---	---	0	4.02	5.52	1.87	0.282	0.008	0	0	---	---	1.43	1979
1980	---	---	0	1.48	0.502	0.001	0	0	0	0	---	---	0.254	1980
1981	---	0	0.003	0.003	0.005	0.001	0	0	0	0	---	---	0.001	1981
1982	---	---	0	0.187	0.184	0	0	0	0	0	---	---	0.048	1982
1983	---	---	0	0.583	0.867	0.180	1.14	1.32	0.139	0.118	---	---	0.523	1983
1984	---	---	0.234	0.583	0.282	0.174	0.012	0	0	0	---	---	0.188	1984
1985	---	---	0	5.54	1.11	0.015	0.001	0	0	0	---	---	0.943	1985
1986	---	---	0.447	3.31	1.01	0.001	0	0	0	0	---	---	0.590	1986
1987	---	---	0.038	0.121	0.008	0.008	0	0	0	0	---	---	0.022	1987
1988	---	---	0	0.833	0.072	0.002	0	0	0	0	---	---	0.111	1988
MEAN	---	0	0.083	1.86	1.25	0.544	0.204	0.130	0.020	0.008	---	---	0.505	MEAN

LOCATION - LAT 51 51 25 N DRAINAGE AREA, 1 430 km^2
LONG 103 48 37 W REGULATED SINCE 1988

MILLIGAN CREEK NEAR WADENA - STATION NO. 05MA023

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1964	---	---	---	---	1964
1965	---	---	---	---	1965
1966	---	---	---	---	1966
1967	---	---	---	---	1967
1968	---	2.55 B ON MAR 25	0B ON MAR 1 *	---	1968
1969	---	---	---	---	1969
1970	---	---	---	---	1970
1971	---	---	---	---	1971
1972	---	---	---	---	1972
1974	---	---	---	---	1974
1975	17.2 AT 02:23 CST ON APR 29	15.9 ON APR 29	0B ON MAR 1	30 800	1975
1976	---	15.4 ON APR 12	0B ON MAR 1	29 800	1976
1977	0.694 AT 09:39 CST ON APR 13	0.5978 ON APR 10	0B ON MAR 1	1 350	1977
1978	---	0.731A ON APR 10	0B ON MAR 1	1 040	1978
1979	16.2 AT 06:12 CST ON APR 25 *	16.5 ON APR 25 *	0B ON MAR 1	30 300	1979
1980	3.36 B AT 20:54 CST ON APR 11	2.95 ON APR 22	0B ON MAR 1	5 480	1980
1981	0.013 AT 12:40 CST ON MAY 4	0.012 ON MAY 4	0B ON MAR 1	30.5	1981
1982	1.30 AT 17:40 CST ON MAY 11	0.8118 ON APR 14	0B ON MAR 1	1 010	1982
1983	3.70 AT 01:56 CST ON APR 21	2.52 ON JUL 22	0B ON MAR 1	11 100	1983
1984	2.05 B AT 04:33 CST ON MAR 27	1.41 B ON MAR 27	0B ON MAR 1	3 350	1984
1985	15.8 AT 14:58 CST ON APR 10	13.8 B ON APR 10	0B ON MAR 1	20 000	1985
1986	5.33 B AT 15:13 CST ON APR 1	4.28 B ON APR 4	0B ON MAR 1	12 500	1986
1987	0.384 AT 21:04 CST ON APR 4	0.3408 ON APR 4	0B ON MAR 1	488	1987
1988	3.47 B AT 08:51 CST ON APR 8	2.78 ON APR 7	0B ON MAR 1	2 380	1988
				10 700	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

MONNERY RIVER NEAR PARADISE MILL - STATION NO. 05EP004

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1967	---	---	---	---	---	---	---	---	0.071	0.183	---	---	---	1967
1968	---	---	1.73	0.778	0.384	0.209	0.170	0.281	0.647	0.328	---	---	0.554	1968
1969	---	---	0.215	2.79	0.722	0.292	0.205	0.128	0.188	0.381	---	---	0.608	1969
1970	---	---	0.283	1.88	0.387	0.710	2.88	0.652	0.189	0.267	---	---	0.857	1970
1971	---	---	0.230	1.78	0.902	0.786	0.783	0.284	0.342	0.378	---	---	0.678	1971
1972	---	---	0.298	2.02	0.809	0.203	0.229	0.288	0.217	0.247	---	---	0.535	1972
1973	---	---	0.375	1.24	0.702	0.805	0.455	0.480	0.231	0.388	---	---	0.592	1973
1974	---	---	0.031	3.67	2.92	3.27	1.57	0.597	0.491	0.821	---	---	1.88	1974
1975	---	---	0.311	1.58	1.78	1.54	2.58	1.18	0.410	0.424	---	---	1.22	1975
1976	---	---	0.280	1.07	0.380	0.489	0.448	0.185	0.170	0.288	---	---	0.406	1976
1977	---	---	0.268	0.583	0.721	0.253	0.408	0.222	0.188	0.312	---	---	0.371	1977
1978	---	---	0.222	0.888	1.07	0.690	0.435	0.208	0.336	0.207	---	---	0.515	1978
1979	---	---	0.252	1.84	1.11	0.533	0.549	0.458	0.240	0.307	---	---	0.633	1979
1980	---	---	0.190	1.31	0.237	0.212	0.188	0.200	0.328	0.134	---	---	0.346	1980
1981	---	---	0.457	1.72	0.332	0.201	0.288	0.084	0.018	0.130	---	---	0.397	1981
1982	---	---	0.238	0.708	0.384	0.287	0.550	0.214	0.088	0.321	---	---	0.348	1982
1983	---	---	0.230	0.882	0.380	0.348	0.458	0.112	0.287	0.238	---	---	0.342	1983
1984	---	---	0.388	1.28	0.758	0.388	0.188	0.278	0.488	0.422	---	---	0.528	1984
1985	---	---	0.244	1.80	1.43	0.824	0.284	0.284	0.203	0.310	---	---	0.601	1985
1986	---	---	0.448	1.18	0.523	0.818	2.10	4.31	0.848	0.407	---	---	1.26	1986
1987	---	---	0.282	2.22	1.48	0.543	0.188	0.258	0.233	0.341	---	---	0.687	1987
1988	---	---	0.323	0.584	0.384	0.331	0.508	0.553	0.277	0.438	---	---	0.438	1988
MEAN	---	---	0.348	1.48	0.848	0.835	0.740	0.834	0.282	0.317	---	---	0.647	MEAN

LOCATION - LAT 53 32 28 N, LONG 109 31 38 W DRAINAGE AREA, 878 km^2, NATURAL FLOW

MONNERY RIVER NEAR PARADISE HILL - STATION NO. 05EF004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1967	---	---	---	---	1967
1968	---	3.85 ON MAR 26	0 ON MAR 1 *	11 700	1968
1969	---	12.1 B ON APR 12	B.037 ON AUG 28	12 800	1969
1970	---	18.0 ON JUL 3 *	0.042 ON OCT 5	18 100	1970
1971	8.728 AT 14:00 CST ON APR 16	7.288 ON APR 16	0.127 ON AUG 28	14 400	1971
1972	---	6.08 ON APR 18	0.026 ON SEP 10	11 200	1972
1973	---	3.03 ON APR 12	0.026 ON SEP 11	12 500	1973
1974	---	18.7 ON APR 20	0.0318 ON MAR 1	38 200	1974
1975	---	8.188 ON APR 25	0.229 ON SEP 21	25 900	1975
1976	---	2.578 ON APR 6	0.046 ON AUG 25	6 550	1976
1977	14.1 AT 21:49 CST ON JUL 29 *	3.15 ON JUL 30	0.058 ON SEP 4	7 850	1977
1978	2.10 AT 21:02 CST ON MAY 2	1.88 ON MAY 2	0.079 ON AUG 16	10 900	1978
1979	8.388 AT 18:42 CST ON APR 25	7.508 ON APR 25	0.136 ON SEP 25	13 400	1979
1980	5.088 AT 21:30 CST ON APR 15	4.758 ON APR 16	0.033 ON OCT 26	7 330	1980
1981	6.198 AT 20:21 CST ON APR 2	5.478 ON APR 2	0.002 ON SEP 3	8 410	1981
1982	1.66 AT 06:53 CST ON APR 22	1.51 ON JUL 6	0.055 ON SEP 14	7 390	1982
1983	1.69 AT 13:16 CST ON JUN 23	1.49 ON APR 7	0.002 ON AUG 16	7 250	1983
1984	4.178 AT 10:07 CST ON APR 4	3.408 ON APR 1	0.031 ON AUG 2	11 100	1984
1985	3.42 AT 22:32 CST ON APR 11	3.00 ON APR 11	0.033 ON JUN 30	12 700	1985
1986	7.85 AT 16:40 CST ON AUG 7	7.44 ON AUG 8	0.057 ON JUN 17	27 200	1986
1987	6.16 AT 11:34 CST ON APR 8	3.978 ON APR 8	0.018 ON JUL 27	14 500	1987
1988	3.72 AT 01:04 CST ON JUL 8	2.68 ON JUL 8	0.018 ON JUL 31	9 180	1988
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		13 700	MEAN

MONTREAL RIVER AT HIGHWAY NO. 2 - STATION NO. 05CA003

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1973	---	---	---	---	15.2	32.6	44.1	46.5	47.4	45.6	40.3	29.1	---	1973
1974	25.5	23.8	21.9	21.0	36.2	40.0	46.8	45.2	42.5	37.3	30.8	28.8	33.8	1974
1975	18.0	16.4	17.1	15.0	18.1	22.5	19.5	14.7	9.73	7.54	4.73	4.02	13.9	1975
1976	3.36	6.12	8.34	5.92	6.65	3.68	3.48	1.96	0.248	0.170	0.013	0	3.17	1976
1977	0	0	0	0.304	2.50	3.04	1.62	2.23	3.14	4.58	4.70	3.26	2.12	1977
1978	2.53	1.92	1.81	5.66	12.1	13.1	12.9	9.61	13.1	14.9	13.6	9.07	8.23	1978
1979	7.72	6.85	6.72	6.40	16.1	24.9	22.0	14.3	14.0	11.6	9.38	7.33	12.6	1979
1980	6.04	4.62	5.80	7.20	6.09	---	2.32	---	---	---	14.0	10.3	---	1980
1981	7.83	7.16	9.16	13.5	17.3	12.9	8.97	7.01	3.66	2.36	1.78	2.33	7.66	1981
1982	2.66	2.66	1.96	3.67	7.44	7.63	4.11	3.83	4.33	5.94	5.06	5.32	4.66	1982
1983	5.49	5.17	5.57	5.61	12.2	15.6	14.2	8.08	8.24	6.86	5.46	4.83	8.16	1983
1984	4.13	3.42	3.59	5.89	11.9	16.8	16.2	10.3	7.30	6.52	4.87	5.38	8.17	1984
1985	4.39	4.47	4.70	10.6	28.9	36.8	30.9	27.6	23.8	18.5	12.7	10.5	17.9	1985
1986	8.11	8.38	8.09	8.48	18.6	16.0	13.0	8.74	8.27	4.23	3.84	3.71	8.81	1986
1987	4.11	4.01	4.24	7.50	8.78	5.05	4.58	3.84	2.82	1.86	1.77	1.94	4.26	1987
1988	2.43	2.51	3.09	4.11	8.21	4.39	3.04	2.04	1.16	0.900	0.274	0.381	2.52	1988
MEAN	6.77	6.51	6.60	8.36	14.1	17.0	15.5	14.2	12.3	11.3	9.57	7.86	8.78	MEAN

LOCATION - LAT 54 42 50 N LONG 105 41 48 W DRAINAGE AREA, 5 450 km^2 REGULATED

MONTREAL RIVER AT HIGHWAY NO. 2 - STATION NO. 05CA003

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1973	---	---	---	---	1973
1974	57.8 AT 18:28 CST ON AUG 18 *	53.5 A ON JUL 20 *	18.7 E ON APR 30	1 070 000	1974
1975	45.0 AT 12:01 CST ON JUN 27	37.7 ON JUN 27	2.32 B ON DEC 31	440 000	1975
1976	---	13.8 ON MAY 17	0 B ON NOV 22 *	100 000	1976
1977	16.2 AT 14:32 CST ON JUN 8	10.3 ON JUN 8	0 B ON JAN 1	88 800	1977
1978	28.5 AT 10:18 CST ON OCT 18	19.0 ON OCT 18	1.66 B ON APR 1	281 000	1978
1979	32.7 AT 22:38 CST ON JUN 23	26.4 ON JUN 23	2.24 B ON APR 21	404 000	1979
1980	---	16.2 ON NOV 1	0.460 ON JUN 25	---	1980
1981	28.0 AT 10:47 CST ON JUL 8	21.2 ON MAY 19	0.653 ON OCT 13	247 000	1981
1982	16.0 AT 18:25 CST ON JUN 8	11.9 ON JUN 8	0.705 ON SEP 28	144 000	1982
1983	32.4 AT 15:54 CST ON JUN 19	23.1 ON JUN 19	1.01 ON SEP 18	256 000	1983
1984	36.4 AT 15:31 CST ON JUN 1	27.8 ON JUN 1	1.24 ON OCT 16	255 000	1984
1985	44.5 AT 17:43 CST ON JUN 12	40.4 ON JUN 12	3.67 B ON MAR 4	585 000	1985
1986	32.4 AT 16:47 CST ON MAY 21	25.6 ON MAY 21	0.783 ON OCT 28	272 000	1986
1987	23.4 AT 18:08 CST ON MAY 16	15.7 ON MAY 2	0.7558 ON OCT 19	134 000	1987
1988	16.2 AT 00:10 CST ON JUL 7	9.63 ON MAY 17	0.049 ON OCT 25	78 700	1988
	A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		309 000	MEAN

MONTREAL RIVER AT OUTLET OF BIGSTONE LAKE - STATION NO. 05CA001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1967	---	---	---	---	---	---	---	10.3	10.6	8.53	8.11	7.88	---	1967
1968	7.08	6.83	6.32	8.21	7.18	7.49	8.61	8.28	8.48	7.34	7.84	7.63	8.02	1968
1969	7.15	6.77	6.46	7.88	11.1	10.1	8.77	8.08	4.82	7.80	8.31	8.20	7.88	1969
1970	8.78	7.78	7.21	8.87	14.7	19.2	51.3	47.8	48.3	38.2	31.7	28.3	25.8	1970
1971	23.0	19.6	16.0	17.3	24.2	26.4	40.8	41.2	32.8	21.6	19.2	17.8	26.0	1971
1972	16.8	13.8	11.8	11.3	30.9	30.6	19.3	12.8	10.8	12.6	18.2	14.2	18.8	1972
1973	12.4	10.7	9.89	11.8	18.8	37.2	57.8	54.8	58.5	58.2	50.8	42.4	36.5	1973
1974	37.7	35.8	36.3	39.2	56.4	53.3	54.7	56.5	54.2	50.7	37.9	28.6	46.3	1974
1975	26.0	21.8	19.4	18.5	27.0	31.2	27.7	20.5	15.8	14.3	12.3	10.1	20.4	1975
1976	8.86	7.73	7.45	8.44	8.40	8.32	8.85	8.48	8.14	8.82	8.11	4.42	7.28	1976
1977	2.83	2.76	2.47	3.00	4.87	11.7	28.8	17.1	9.22	9.08	8.36	8.72	8.31	1977
1978	8.86	7.12	6.19	8.87	20.8	30.7	24.8	21.2	17.7	23.2	21.0	17.2	17.1	1978
1979	15.3	13.7	12.9	12.8	21.8	28.4	27.8	21.8	22.8	22.8	20.2	18.0	19.7	1979
1980	12.8	10.3	8.86	8.86	7.03	4.71	3.83	3.88	8.37	21.1	24.3	19.4	11.0	1980
1981	15.8	13.8	12.7	18.1	24.8	20.0	13.8	8.13	8.34	8.88	8.83	8.31	12.8	1981
1982	5.88	4.20	3.81	3.12	8.27	14.7	10.8	8.18	7.38	7.48	8.44	8.80	7.72	1982
1983	8.37	7.80	7.12	7.87	14.2	22.7	22.0	17.1	13.8	12.8	12.7	13.0	13.2	1983
1984	8.03	8.20	8.72	8.20	13.8	21.8	18.8	13.9	11.8	13.3	13.8	11.7	13.4	1984
1985	8.43	7.88	7.17	10.4	38.8	43.3	43.7	33.0	32.8	27.1	20.4	13.7	23.8	1985
1986	10.8	8.78	7.18	8.88	18.8	22.3	18.2	22.3	14.8	13.7	10.4	8.04	13.8	1986
1987	7.89	7.28	6.88	10.8	25.2	18.8	13.2	11.4	8.80	8.88	7.01	8.24	11.2	1987
1988	8.83	8.18	4.88	8.88	13.8	13.2	8.38	8.88	7.80	8.73	8.38	4.87	7.83	1988
MEAN	13.3	10.8	9.78	11.0	18.8	22.8	24.2	21.0	18.8	17.8	15.2	13.8	18.8	MEAN

LOCATION - LAT 55 05 40 N
LONG 105 21 46 W
DRAINAGE AREA, 7 280 km²
REGULATED

MONTREAL RIVER AT OUTLET OF BIGSTONE LAKE - STATION NO. 05CA001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1967	---	---	---	---	1967
1968	---	8.10 ON OCT 23	4.45 ON SEP 2	309 000	1968
1969	---	11.8 ON MAY 11	4.25 ON AUG 29	243 000	1969
1970	---	57.8 ON JUL 16	7.14E ON MAR 21	813 000	1970
1971	---	51.8 ON JUL 26	15.1 E ON MAR 27	788 000	1971
1972	---	30.1 ON MAY 31	8.54 ON SEP 15	534 000	1972
1973	---	62.8 ON SEP 26	8.63E ON MAR 28	1 120 000	1973
1974	---	63.1 ON MAY 27 *	26.3 ON DEC 30	1 430 000	1974
1975	---	33.8 ON JUN 2	9.17 ON DEC 31	842 000	1975
1976	---	11.1 ON JUL 24	3.62B ON DEC 31	231 000	1976
1977	---	34.6 ON JUL 31	2.24E ON APR 2 *	284 000	1977
1978	---	33.7 A ON JUN 10	6.85A ON MAR 18	536 000	1978
1979	33.4 AT 15:34 CST ON JUN 26	32.8 ON JUN 26	11.7 ON APR 12	522 000	1979
1980	28.4 AT 06:42 CST ON OCT 30	27.4 ON OCT 30	2.70 ON AUG 4	348 000	1980
1981	27.8 AT 21:28 CST ON MAY 21	26.8 ON MAY 18	4.67 ON OCT 8	394 000	1981
1982	18.5 AT 11:47 CST ON JUN 8	18.3 ON JUN 8	2.69 ON APR 26	242 000	1982
1983	25.6 AT 18:42 CST ON JUL 3	24.7 ON JUN 13	8.64 ON APR 3	418 000	1983
1984	24.3 AT 18:07 CST ON JUL 2	23.3 ON JUN 25	8.22 ON APR 2	382 000	1984
1985	80.2 AT 18:47 CST ON JUL 3 *	49.8 ON JUL 3	8.67 ON MAR 18	782 000	1985
1986	29.8 AT 13:88 CST ON AUG 7	24.8 ON AUG 10	8.88 ON MAR 31	431 000	1986
1987	30.8 AT 11:88 CST ON MAY 8	26.8 ON MAY 18	8.78 ON DEC 7	263 000	1987
1988	18.1 AT 20:18 CST ON JUN 2	17.2 ON JUN 1	3.88 ON DEC 31	238 000	1988
				525 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

MOON LAKE CREEK NEAR SASKATOON - STATION NO. 05HE017

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1970	---	---	---	0.378	---	---	---	---	---	---	---	---	---	1970
1971	---	---	---	0.060	---	---	---	---	---	---	---	---	---	1971
1974	---	---	---	0.088	0.002	---	---	---	---	---	---	---	---	1974
1975	---	---	0	0.008	0.001	0	0	0	0	0	---	---	0.001	1975
1976	---	---	0	0.001	0.001	0	0	0	0	0	---	---	0	1976
MEAN	---	---	0	0.103	0.001	0	0	0	0	0	---	---	0.001	MEAN

LOCATION - LAT 52 01 28 N
LONG 106 46 43 W
DRAINAGE AREA, 148 km²
NATURAL FLOW

MOON LAKE CREEK NEAR SASKATOON - STATION NO. 05HG017

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1970	---	---	---	---	1970
1971	---	---	---	---	1971
1974	---	---	---	---	1974
1975	---	0.020 ON APR 18 *	0S ON MAR 1 *	19.7	1975
1976	---	0.003 ON APR 22	0S ON MAR 1	3.72	1976
				11.7	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

MOOSEHEAD DITCH ON PIAPOT CREEK - STATION NO. 05HA026

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1911	---	---	---	---	---	---	---	---	---	---	---	---	---	1911
1915	---	---	---	---	0.185	0.136	---	---	---	---	---	---	---	1915
1917	---	---	---	---	---	---	---	---	---	---	---	---	---	1917
1918	---	---	---	---	---	---	---	---	---	---	---	---	---	1918
MEAN	---	---	---	---	0.185	0.136	---	---	---	---	---	---	---	MEAN

LOCATION - LAT 49 51 00 N
LONG 109 18 00 W REGULATED

MOOSEHEAD DITCH ON PIAPOT CREEK - STATION NO. 05HA026

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1911	---	---	0 ON AUG 30 *	---	1911
1915	---	---	0 ON JUL 23	---	1915
1917	---	---	0R ON JUL 30	---	1917
1918	---	---	0R ON AUG 30	---	1918
				---	MEAN

* - EXTREME RECORDED FOR THE PERIOD OF RECORD
R - REVISED SINCE JAN 01 1987

MOOSE JAW RIVER ABOVE THUNDER CREEK - STATION NO. 05JE001

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1910	---	---	---	---	0.627	0.845	0.034	---	---	---	---	---	---	1910
1911	---	---	---	5.40	1.07	2.01	0.079	0.008	0.002	0.326	0.118	0.018	---	1911
1912	0.001	0	---	---	14.6	1.37	0.884	0.062	0.027	0.005	0.038	0.001	---	1912
1913	0	0	---	---	0.181	0.028	0.342	0.018	0.004	0.005	0.011	0.003	---	1913
1914	0	0	0.031	1.88	0.159	0.005	0.013	0	0	0	0.089	0.010	0.288	1914
1915	0	0	0	0.043	0.011	0.006	0.004	0	0	0	0	0	0.006	1915
1916	0	0	0.748	41.4	3.89	1.13	0.328	0.072	0.056	0.332	0.303	0.057	5.91	1916
1917	0.005	0	0.002	18.8	4.89	0.235	0.028	0.003	0.002	0.011	0.003	0	2.04	1917
1918	0	0	4.76	1.71	0.637	0.027	0.004	0	0	0	0.017	0	0.888	1918
1919	0	0	0.098	4.85	0.336	0.038	0.183	0	0	0.090	0.008	0	0.888	1919
1920	0	0	0.848	15.4	3.78	0.087	0.003	0.002	0.003	0.087	0.015	0	2.47	1920
1921	0	0	0.029	0.362	0.148	0.228	1.13	0.036	0.138	0.073	0.015	0.007	0.289	1921
1922	0.014	0.007	1.02	15.9	8.88	0.829	0.128	0.023	0.008	0.015	0.061	0.014	3.10	1922
1923	0.007	0.001	0.407	7.29	0.952	2.33	19.2	1.20	0.240	0.128	---	---	3.88	1923
1924	---	---	1.11	8.81	0.782	0.224	0.031	0.033	0.111	0.044	---	---	1.33	1924
1925	---	---	2.83	24.8	8.871	1.88	0.383	0.008	0.008	0.080	---	---	3.73	1925
1926	---	---	0.033	0.321	0.824	0.408	1.02	0.116	0.041	0.023	---	---	0.311	1926
1927	---	---	0.368	35.9	8.77	3.32	0.188	0.018	0.024	0.023	---	---	8.74	1927
1928	---	---	4.81	4.85	0.480	0.550	0.788	0.032	0.017	0.110	---	---	1.42	1928
1929	---	---	0.058	0.013	0.008	0.004	0.045	0.014	0.008	0.021	---	---	0.031	1929
1930	---	0.102	0.821	4.18	0.132	0.025	0.014	0.008	0.081	0.028	---	---	0.851	1930
1931	---	---	0.048	0.012	---	---	---	---	---	---	---	---	---	1931
1932	---	---	---	1.88	0.452	1.08	0.038	0.113	0	0	---	---	---	1932
1933	---	---	---	0.177	0.001	0.018	0.007	0.002	0.018	0.023	---	---	---	1933
1934	---	---	---	---	1.74	0.885	0.872	0.578	0.828	0.030	0.018	---	---	1934
1935	---	---	---	---	4.44	0.084	0.014	0.051	0.001	0.011	---	---	---	1935
1936	---	---	0.852	21.8	0.021	0	0	0	0	0	---	---	3.34	1936
1937	---	---	0	0.002	0.021	0	0	0	0	0	---	---	0.002	1937
1938	---	---	3.38	2.24	0.245	0.008	0.001	0.081	0.017	0.048	---	---	0.748	1938
1939	---	---	0.302	2.33	0.007	0.298	1.72	0.008	0.108	0.002	---	---	0.882	1939
1940	---	---	0	0.028	0.244	0.005	0.001	0.072	0	0	---	---	0.044	1940
1984	---	---	0.020	0.043	0.297	3.82	0.578	1.08	8.84	3.34	---	---	1.98	1984
1985	---	---	0.284	32.8	38.7	1.32	8.08	0.723	0.028	0.021	---	---	10.3	1985
1986	---	---	1.87	37.1	3.48	0.747	1.01	0.021	0.011	0.021	---	---	5.41	1986
1987	---	---	1.00	4.88	0.482	0.028	0.015	0.001	0.002	0.002	---	---	0.780	1987
1988	---	---	0.088	3.77	0.040	0.034	0.008	0.008	0	0	---	---	0.480	1988
1989	---	---	0.014	0.024	0.004	0.078	0.284	0.010	0.042	0.572	---	---	0.143	1989
1980	---	---	5.82	23.5	1.48	3.88	3.80	0.033	0.004	0.008	---	---	4.72	1980
1981	---	---	1.84	0.408	0.085	0.008	0	0	0	0	---	---	0.307	1981
1982	---	---	0.780	4.28	0.030	0.338	0.034	0.008	0	0	---	---	0.873	1982
1983	---	---	0.477	0.870	0.020	0.848	4.77	1.03	0.043	0.008	---	---	0.978	1983
1984	---	---	0	1.83	0.318	0.380	0.031	0.032	0.011	0.010	---	---	0.318	1984
1985	---	---	0	4.81	8.01	8.82	2.07	0.088	0.003	0.003	---	---	2.80	1985
1986	---	---	2.80	1.44	0.322	0.021	0.008	0.004	0.005	0.001	---	---	0.888	1986
1987	---	---	0.848	18.2	3.18	0.044	0.028	0.003	0.008	0.012	---	---	2.72	1987
1988	---	---	1.87	0.284	0.032	0.018	0.014	0.008	0.013	0.005	---	---	0.278	1988
1989	---	---	0.042	82.3	8.38	0.238	0.108	0.143	0.008	0.202	---	---	7.88	1989
1970	---	---	1.11	21.2	24.8	4.21	0.431	0.017	0.014	0.007	---	---	7.74	1970
1971	---	---	0.218	33.8	3.38	0.388	0.588	0.028	0.010	0.003	---	---	4.71	1971
1972	---	---	5.81	2.71	0.402	1.21	0.028	0.018	0.008	0.003	---	---	1.27	1972
1973	---	---	0.008	0.018	0.011	0.247	0.071	0.020	0.028	0.003	---	---	0.050	1973
1974	---	---	0.008	87.1	34.1	4.84	0.188	2.88	0.480	0.142	---	---	13.8	1974
1975	---	---	0.074	28.8	27.8	1.41	2.13	0.030	0.027	0.027	---	---	7.18	1975
1976	---	---	12.8	84.8	4.12	8.88	2.34	0.788	0.117	0.012	---	---	11.1	1976
1977	---	---	0.012	0.008	1.17	0.201	0.028	0	0	0.001	---	---	0.178	1977
1978	---	---	0.878	5.88	0.888	0.178	0.020	0	0	0	---	---	0.840	1978
1979	---	---	0.484	19.8	28.8	2.42	4.12	0.071	0.004	0	---	---	5.85	1979
1980	---	---	0.074	2.08	0.083	0.058	0.022	0.002	0	0	---	---	0.283	1980
1981	---	0	0	0	0	0	0	0	0	0	---	---	0	1981
1982	---	---	0.188	40.8	8.08	2.70	3.08	0.541	0.004	0.004	---	---	8.80	1982
1983	---	0.085	1.80	27.7	8.04	0.574	0.087	0.007	0.003	0	---	---	4.47	1983
1984	---	---	0.008	0.008	0.001	0	0	0	0	0	---	---	0.002	1984
1985	---	---	1.37	1.11	0.028	0.002	0	0	0	0	---	---	0.313	1985
1986	---	0.052	3.42	0.881	8.81	0.188	0	0	0	0	---	---	1.40	1986
1987	---	---	0.231	0.542	0.008	0.018	0	0	0	0	---	---	0.088	1987
1988	---	---	0	0.004	0.002	0	0	0	0	0	---	---	0.001	1988
MEAN	0.002	0.014	1.18	11.8	4.28	0.981	0.983	0.181	0.122	0.085	0.055	0.009	2.85	MEAN

LOCATION - LAT 50 20 48 N
LONG 105 31 49 W

DRAINAGE AREA, 5 280 km²
REGULATED

MOOSE JAW RIVER ABOVE THUNDER CREEK - STATION NO. 05JE001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1910	---	---	0 ON JUL 28 *	---	1910
1911	---	---	0 ON AUG 18	---	1911
1912	---	37.7 ON MAY 14	0 B ON MAR 1	---	1912
1913	---	---	0 B ON MAR 1	---	1913
1914	---	8.81 E ON APR 10	0 B ON MAR 1	5 810	1914
1915	---	0.105 ON APR 4	0 B ON MAR 1	170	1915
1916	---	83.8 ON APR 18	0 B ON MAR 1	128 000	1916
1917	---	84.7 ON APR 18	0 B ON MAR 1	82 300	1917
1918	---	22.7 B ON MAR 28	0 B ON MAR 1	19 000	1918
1919	---	12.4 ON APR 20	0 B ON MAR 1	14 800	1919
1920	---	24.8 ON APR 26	0 B ON MAR 1	52 300	1920
1921	---	2.80 ON JUL 4	0 B ON MAR 4	5 890	1921
1922	---	38.9 ON APR 10	0 B ON MAR 2	88 800	1922
1923	---	84.7 ON JUL 15	0 B ON MAR 19	84 300	1923
1924	---	19.1 B ON APR 14	0 B ON MAR 1	28 200	1924
1925	---	52.8 B ON APR 3	0 B ON MAR 1	76 800	1925
1926	---	3.81 ON JUN 29	0 ON SEP 28	8 800	1926
1927	---	86.0 ON APR 15	0 ON OCT 24	121 000	1927
1928	---	27.6 B ON MAR 31	0 B ON MAR 1	30 000	1928
1929	---	0.722 ON JUL 28	0 B ON MAR 1	448	1929
1930	---	11.8 B ON APR 7	0 ON SEP 1	13 700	1930
1931	---	---	0 B ON MAR 27	---	1931
1933	---	---	0 ON JUL 18	---	1933
1934	---	---	0 ON APR 28	---	1934
1935	---	9.57 B ON APR 22	0 ON MAY 27	---	1935
1936	---	89.7 ON APR 17	0 ON JUL 1	70 700	1936
1937	---	0.488 ON MAY 14	0 B ON MAR 1	81.4	1937
1938	---	15.6 ON MAR 28	0 B ON MAR 1	15 800	1938
1939	---	9.37 ON APR 2	0 B ON MAR 1	12 800	1939
1940	---	2.18 ON AUG 3	0 B ON MAR 1	931	1940
1954	---	17.5 ON SEP 20	0.0143 ON MAR 18	41 800	1954
1955	---	108 ON MAY 8	0.008 ON OCT 19	219 000	1955
1956	---	88.2 ON APR 15	0 B ON MAR 1	116 000	1956
1957	---	11.5 B ON APR 6	0 ON JUL 30	15 800	1957
1958	---	19.1 B ON APR 4	0 B ON MAR 1	10 200	1958
1959	---	1.73 ON OCT 31	0 B ON MAR 1	3 020	1959
1960	---	80.0 B ON APR 4	0 B ON MAR 1	99 800	1960
1961	---	8.77 B ON MAR 23	0 B ON MAR 1	8 480	1961
1962	16.7 B AT 18:00 CST ON APR 1	15.7 B ON APR 1	0 B ON MAR 1	14 300	1962
1963	---	10.3 ON JUL 20	0 B ON MAR 1	20 700	1963
1964	---	8.07 B ON APR 8	0 B ON MAR 1	8 720	1964
1965	23.0 B AT 22:00 CST ON APR 16	19.4 ON JUN 3	0 B ON MAR 1	59 300	1965
1966	---	7.62 B ON MAR 27	0 B ON MAR 1	12 500	1966
1967	56.6 AT 21:00 CST ON APR 15	56.1 B ON APR 15	0 B ON MAR 1	57 800	1967
1968	---	3.64 B ON MAR 23	0 ON OCT 2	5 800	1968
1969	---	184 ON APR 12	0 B ON MAR 1	183 000	1969
1970	73.9 AT 03:15 CST ON MAY 10	72.6 ON MAY 10	0.005 ON OCT 14	184 000	1970
1971	100 AT 01:30 CST ON APR 12	98.3 ON APR 12	0.003 ON OCT 5	99 800	1971
1972	26.2 B AT 15:33 CST ON MAR 25	25.3 B ON MAR 25	0 ON SEP 18	27 000	1972
1973	0.711 AT 04:26 CST ON JUN 18	0.682 ON JUN 18	0 ON MAY 5	1 080	1973
1974	261 AT 15:01 CST ON APR 20 *	252 ON APR 20 *	0.0038 ON MAR 1	257 000	1974
1975	87.6 AT 17:50 CST ON APR 25	87.2 ON APR 25	0.0118 ON MAR 1	182 000	1975
1976	125 AT 12:31 CST ON APR 9	124 ON APR 9	0.008 ON SEP 29	235 000	1976
1977	14.3 A AT 08:47 CST ON MAY 27	13.3 A ON MAY 27	0 ON APR 23	3 760	1977
1978	21.8 B AT 12:15 CST ON APR 4	18.2 B ON APR 4	0 ON AUG 2	19 900	1978
1979	73.6 AT 08:21 CST ON APR 25	73.2 ON APR 25	0 B ON MAR 1	141 000	1979
1980	---	4.56 B ON APR 11	0 ON JUN 6	5 990	1980
1981	0 B AT 00:00 CST ON MAR 1	0 B ON MAR 1	0 B ON MAR 1	0	1981
1982	133 AT 19:59 CST ON APR 16	130 ON APR 19	0 B ON MAR 1	144 000	1982
1983	51.6 AT 02:00 CST ON APR 10	50.6 ON APR 10	0 E ON AUG 23	84 700	1983
1984	0.0558 AT 23:00 CST ON MAR 31	0.046 ON MAR 1	0 B ON MAR 1	37.2	1984
1985	7.62 B AT 14:10 CST ON MAR 28	6.75 B ON MAR 28	0 B ON MAR 1	8 830	1985
1986	18.6 AT 14:44 CST ON MAY 15	18.4 ON MAY 15	0 ON JUN 28	29 500	1986
1987	2.01 B AT 07:58 CST ON APR 2	1.26 B ON APR 2	0 B ON MAR 1	2 090	1987
1988	0.007 AT 08:05 CST ON APR 13	0.007 ON APR 13	0 B ON MAR 1	13.2	1988
				84 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

MOOSE JAW RIVER AT CHEVRIER'S FARM - STATION NO. 05JE003

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1910	---	---	---	---	1.02	0.831	---	---	---	---	---	---	---	1910
1911	---	---	---	---	0.832	---	0.128	0.006	0	0.238	---	---	---	1911
1912	---	---	---	4.84	---	1.06	0.888	0.130	0.004	---	---	---	---	1912
MEAN	---	---	---	4.84	0.876	0.841	0.493	0.068	0.002	0.238	---	---	---	MEAN

LOCATION - LAT 50 15 33 N
LONG 105 21 03 W
DRAINAGE AREA, 4 170 km^2
NATURAL FLOW

MOOSE JAW RIVER AT CHEVRIER'S FARM - STATION NO. 05JE003

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1910	---	---	0 ON MAY 5 *	---	1910
1911	---	---	0 ON MAY 8	---	1911
1912	---	---	0 ON JUL 27	---	1912
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

MOOSE JAW RIVER NEAR BURDICK - STATION NO. 05JE005

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1944	---	---	0	0.035	0.080	0.887	---	---	---	---	---	---	---	1944
1945	---	---	0.038	0.031	0.038	0.075	---	---	---	---	---	---	---	1945
1946	---	---	6.62	5.80	0.100	0.123	---	---	---	---	---	---	---	1946
1947	---	---	3.38	28.0	2.80	0.335	---	---	---	---	---	---	---	1947
1948	---	---	0.347	41.9	21.2	0.808	---	---	---	---	---	---	---	1948
1949	---	---	0.272	1.98	0.083	0.046	---	---	---	---	---	---	---	1949
1950	---	---	0.302	14.6	3.00	0.388	---	---	---	---	---	---	---	1950
1951	---	---	0	28.3	17.4	0.839	---	---	---	---	---	---	---	1951
1952	---	---	1.81	32.4	0.808	0.266	---	---	---	---	---	---	---	1952
1953	---	---	0.303	2.82	1.48	48.1	20.6	0.415	0.117	0.027	---	---	---	1953
1954	---	---	0.081	0.055	0.105	4.48	0.529	---	7.08	3.59	---	---	---	1954
1955	---	---	0.889	36.2	48.3	2.33	9.32	1.25	0.100	0.037	---	---	---	1955
1956	---	---	2.80	41.6	4.12	1.09	1.82	0.153	0.081	0.114	---	---	---	1956
1957	---	---	2.28	4.68	0.808	0.111	0.055	0.082	0.055	0.100	---	---	---	1957
1958	---	---	1.04	4.30	0.188	0.116	0.086	0.055	0.043	0.076	---	---	---	1958
1959	---	---	0.744	0.078	0.070	0.082	0.331	0.037	0.076	0.785	---	---	---	1959
1960	---	---	7.45	24.4	1.87	3.48	4.15	0.063	0.082	0.075	---	---	---	1960
1961	---	---	2.86	0.834	0.082	0.041	0.030	0.027	0.032	0.089	0.088	---	---	1961
1962	---	---	0.718	4.82	0.154	0.455	0.145	0.028	0	0.038	---	---	---	1962
1963	---	---	1.08	1.18	0.028	1.32	5.54	1.43	0.082	0.040	---	---	---	1963
1964	---	---	0.085	1.94	0.354	0.394	0.082	0.088	0.054	0.052	---	---	---	1964
1965	---	---	0.010	7.13	8.17	8.81	2.41	0.198	0.140	0.005	---	---	---	1965
1966	---	---	4.88	1.84	0.412	0.109	0.280	0.157	0.078	0.018	---	---	---	1966
1967	---	---	0.722	20.9	4.00	0.181	0.032	0.012	0.048	0.084	---	---	---	1967
1968	---	---	2.98	0.461	0.077	0.081	0.078	0.100	0.034	0.040	---	---	---	1968
1969	---	---	0.185	81.6	9.13	1.10	1.41	0.882	0.043	0.209	---	---	---	1969
1970	---	---	1.35	27.4	31.1	6.85	1.01	0.082	0.029	0.028	---	---	---	1970
1971	---	---	0.101	38.9	3.80	0.488	0.885	0.086	0.008	0.150	---	---	---	1971
1972	---	---	4.88	3.28	0.648	1.23	0.054	0.255	0.082	0.178	0.151	0.088	---	1972
1973	0.083	0.118	0.151	0.185	0.377	0.549	0.082	0.083	0.077	0.150	0.200	0.107	0.180	1973
1974	0.078	0.162	0.180	81.0	37.8	8.78	1.01	2.75	1.02	0.174	0.672	0.258	11.8	1974
1975	0.088	0.137	0.328	31.2	30.4	1.78	2.68	0.102	0.288	0.072	0.185	0.117	5.83	1975
1976	0.086	0.288	18.8	70.8	4.85	6.33	2.88	0.800	0.238	0.367	0.220	0.142	8.58	1976
1977	0.148	0.245	0.276	0.087	1.58	0.278	0.321	0.095	0.087	0.103	0.218	0.142	0.300	1977
1978	0.157	0.185	0.858	7.38	1.12	0.309	0.313	0.033	0.080	0.226	0.131	0.148	0.804	1978
1979	0.138	0.143	0.889	21.7	28.7	2.88	4.85	0.347	0.093	0.088	0.218	0.147	4.85	1979
1980	0.108	0.111	0.480	2.52	0.171	0.114	0.210	0.111	0.075	0.147	0.213	0.180	0.383	1980
1981	0.180	0.243	0.188	0.184	0.088	0.184	0.139	0.184	0.287	0.270	0.178	0.135	0.178	1981
1982	0.085	0.138	0.800	48.8	8.02	3.35	2.87	0.842	0.107	0.237	0.201	0.188	5.58	1982
1983	0.207	0.205	2.81	27.5	5.85	0.740	0.272	0.034	0.229	0.077	0.288	0.131	3.15	1983
1984	0.181	0.338	0.304	0.080	0.004	0.028	0	0	0	0	0.121	0.152	0.088	1984
1985	0.148	0.128	1.35	1.82	0.245	0.042	0.012	0.008	0.005	0.187	0.077	0.014	0.334	1985
1986	0.008	0.302	4.48	1.22	8.25	0.227	0.030	0.008	0.008	0.040	0.087	0.088	1.07	1986
1987	0.222	0.182	0.817	0.850	0.020	0.007	0.082	0.005	0.185	0.248	0.382	0.018	0.234	1987
1988	0.001	0.001	0.012	0.007	0	0	0	0	0	0	0	0	0.002	1988
MEAN	0.118	0.181	1.77	18.8	8.37	2.43	1.78	0.298	0.304	0.228	0.188	0.120	2.70	MEAN

LOCATION - LAT 50 24 00 N
LONG 105 23 50 W

DRAINAGE AREA, 9 230 km^2
REGULATED

REMARKS - FROM 1944 TO JUN 15 1988, STATION WAS LOCATED IN SE04-17-25-W2 AND PUBLISHED UNDER STATION NO. 05JE005

MOOSE JAW RIVER NEAR BURDICK - STATION NO. 05JE005

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1944	---	8.30 ON JUN 15	0 ON MAR 1 *	---	1944
1945	---	0.1708 ON MAR 28	0 B ON MAR 1	---	1945
1946	---	27.4 ON MAR 31	0 B ON MAR 1	---	1946
1947	---	56.4 ON APR 17	0 B ON MAR 1	---	1947
1948	---	200 ON APR 25	---	---	1948
1949	---	10.3 ON APR 10	0 B ON MAR 1	---	1949
1950	---	52.7 ON APR 24	---	---	1950
1951	---	53.0 ON APR 17	0 B ON MAR 1	---	1951
1952	---	83.1 ON APR 10	0 B ON MAR 1	---	1952
1953	---	97.1 E ON JUN 11	0.025 ON OCT 15	---	1953
1954	---	18.6 ON SEP 21	---	---	1954
1955	---	108 A ON MAY 9	0 B ON OCT 31	---	1955
1956	80.8 AT 05:00 CST ON APR 15	90.0 ON APR 15	0.0119 ON MAR 1	---	1956
1957	13.6 AT 22:00 CST ON APR 3	12.1 ON APR 4	0.011 ON JUL 3	---	1957
1958	20.3 AT 02:00 CST ON APR 5	18.7 ON APR 5	0.008 ON MAY 27	---	1958
1959	---	8.82 B ON MAR 14	0 ON AUG 13	---	1959
1960	84.0 AT 21:00 CST ON APR 3	81.2 ON APR 4	0.014 ON OCT 9	---	1960
1961	11.6 AT 08:00 CST ON MAR 24	11.6 ON MAR 24	0 ON JUL 8	---	1961
1962	15.0 AT 23:30 CST ON APR 2	14.8 ON APR 3	0 E ON AUG 23	---	1962
1963	15.2 AT 17:00 CST ON JUL 10	12.3 B ON MAR 31	0.0068 ON OCT 26	---	1963
1964	15.6 AT 11:00 CST ON APR 9	8.44 ON APR 10	0.0288 ON MAR 1	---	1964
1965	21.5 AT 20:00 CST ON APR 20	20.2 ON APR 19	0 B ON MAR 1	---	1965
1966	16.2 B AT 22:00 CST ON MAR 14	13.1 B ON MAR 15	0 ON SEP 28	---	1966
1967	85.5 AT 20:00 CST ON APR 14	54.1 ON APR 15	0 ON JUL 31	---	1967
1968	4.73 B AT 22:00 CST ON MAR 8	4.62 B ON MAR 8	0 ON JUN 11	---	1968
1969	227 AT 24:00 CST ON APR 13	214 ON APR 13	0.006 ON SEP 17	---	1969
1970	71.1 AT 12:00 CST ON MAY 10	70.6 ON MAY 10	0.002 ON AUG 21	---	1970
1971	123 AT 13:04 CST ON APR 13	118 ON APR 12	0 ON SEP 12	---	1971
1972	22.7 B AT 15:47 CST ON MAR 28	20.3 B ON MAR 28	0 ON SEP 11	---	1972
1973	2.13 AT 23:51 CST ON OCT 23	1.28 ON JUN 4	0.005 ON JUL 21	6 870	1973
1974	374 AT 22:52 CST ON APR 15 *	388 ON APR 20 *	0.0428 ON JAN 20	371 000	1974
1975	88.8 AT 01:55 CST ON APR 26	87.7 ON APR 26	0.031 ON OCT 15	177 000	1975
1976	130 AT 12:55 CST ON APR 7	128 ON APR 7	0.028 ON OCT 25	271 000	1976
1977	15.5 A AT 20:27 CST ON MAY 27	12.5 A ON MAY 27	0.007 ON MAY 14	8 440	1977
1978	---	21.8 B ON APR 5	0.001 ON AUG 15	26 800	1978
1979	78.3 E AT 17:12 CST ON APR 25	77.2 E ON APR 25	0.005 ON OCT 14	153 000	1979
1980	8.20 B AT 07:01 CST ON APR 11	5.34 ON APR 12	0.004 ON MAY 5	11 500	1980
1981	0.771 ON OCT 14	0.609 ON SEP 5	0.011 ON MAY 6	5 830	1981
1982	156 AT 10:50 CST ON APR 19	154 ON APR 18	0.015 ON SEP 19	175 000	1982
1983	83.4 AT 02:47 CST ON APR 10	55.7 ON APR 10	0.003 ON NOV 2	88 400	1983
1984	1.41 AT 19:50 CST ON JUN 19	0.8128 ON MAR 26	0 ON JUN 9	3 110	1984
1985	8.47 B AT 13:25 CST ON MAR 26	5.81 B ON MAR 27	0.001A ON AUG 19	10 500	1985
1986	20.5 AT 13:47 CST ON MAY 18	17.8 ON MAY 18	0 B ON FEB 14	33 400	1986
1987	4.75 B AT 19:47 CST ON MAR 30	2.34 B ON MAR 30	0 ON AUG 25	7 350	1987
1988	0.0205 AT 12:00 CST ON MAR 23	0.0205 ON MAR 23	0 B ON JAN 12	55.4	1988
				86 100	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

MOOSE JAW RIVER NEAR LANG - STATION NO. 05JE002

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1911	---	---	---	---	---	---	0.110	0.137	0.085	---	---	---	---	1911
1912	---	---	---	1.07	1.45	0.818	0.161	0.027	0.002	0	0	---	---	1912
1913	---	---	---	---	0.012	0	0	0	0	0	---	---	---	1913
1914	---	---	---	0.679	0.088	0.023	0.003	0	0	0	---	---	---	1914
1915	---	---	---	0	0	0	0	0	0	0	---	---	---	1915
1916	---	---	---	---	0.127	0.075	0.058	0.039	0.016	0.014	---	---	---	1916
1917	---	---	---	3.40	1.47	0.048	0.007	0	0	0	---	---	---	1917
1918	---	---	---	0.868	0.181	0.011	0	0	0	0	---	---	---	1918
1919	---	---	---	0.808	0.040	0	0	0	0	0	---	---	---	1919
1920	---	---	0	11.4	1.51	0.023	0.005	0	0	0	---	---	1.58	1920
1970	---	---	0	2.87	11.9	0.585	0.028	0	0	0	---	---	1.58	1970
1971	---	---	0	7.67	0.808	0.017	0.002	0	0	0	---	---	1.02	1971
1972	---	---	0.880	0.467	0.081	0.023	0	0	0	0	---	---	0.178	1972
1973	---	---	0	0	0	0	0	0	0	0	---	---	0	1973
1974	---	---	0	8.81	3.88	0.870	0.023	0	0	0	---	---	1.83	1974
1975	---	---	0	5.58	7.78	0.520	0.027	0	0	0	---	---	1.74	1975
1976	---	---	0.230	17.8	0.710	0.581	1.28	0.183	0.003	0	---	---	2.87	1976
1977	---	---	0	0	0	0	0	0	0	0	---	---	0	1977
1978	---	---	0.278	0.880	0.030	0	0	0	0	0	---	---	0.110	1978
1979	---	---	0.017	6.35	5.80	0.703	0.178	0	0	0	---	---	2.02	1979
1980	---	---	0.005	0.083	0	0	0	0	0	0	---	---	0.011	1980
1981	---	---	0.002	0	0	0	0	0	0	0	---	---	0	1981
1982	---	---	0	5.72	0.880	0.035	0	0	0	0	---	---	0.774	1982
1983	---	---	0	4.85	0.823	0.055	0	0	0	0	---	---	0.718	1983
1984	---	---	0	0	0	0	0	0	0	0	---	---	0	1984
1985	---	---	0.150	0.042	0	0	0	0	0	0	---	---	0.028	1985
1986	---	---	0.744	0.102	0.782	0.004	0	0	0	0	---	---	0.207	1986
1987	---	---	0.002	0.103	0	0	0	0	0	0	---	---	0.013	1987
1988	---	---	0	0	0	0	0	0	0	0	---	---	0	1988
MEAN	---	---	0.118	3.04	1.48	0.187	0.084	0.014	0.003	0.001	0	---	0.730	MEAN

LOCATION - LAT 49 55 51 N, LONG 104 28 57 W
DRAINAGE AREA, 875 km^2
NATURAL FLOW

MOOSE JAW RIVER NEAR LANG - STATION NO. 05JE002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1911	---	---	---	---	1911
1912	---	---	---	---	1912
1913	---	---	0 OR SEP 13 *	---	1913
1914	---	---	0 OR JUN 4	---	1914
			0 OR JUL 8	---	
1915	---	---	---	---	1915
1916	---	---	0 OR MAR 22	---	1916
1917	---	---	---	---	1917
1918	---	9.68 ON APR 28	0S OR APR 1	---	1918
1919	---	---	0 OR JUN 7	---	1919
		2.87 ON APR 16	0 OR APR 1	---	
1920	---	28.1 ON APR 11	0 OR MAR 1	33 700	1920
1970	---	22.2 ON MAY 4	0S OR MAR 1	42 200	1970
1971	20.6 AT 20:00 CST ON APR 6	17.3 ON APR 10	0S OR MAR 1	21 800	1971
1972	3.88 B AT 14:00 CST ON MAR 18	2.83 B ON MAR 18	0S OR MAR 1	3 790	1972
1973	0 AT 00:00 CST ON MAR 1	0 ON MAR 1	0 OR MAR 1	0	1973
1974	24.6 AT 08:05 CST ON APR 18 *	31.7 ON APR 19	0S OR MAR 1	34 400	1974
1975	21.0 AT 20:09 CST ON APR 30	20.6 ON APR 30	0S OR MAR 1	38 800	1975
1976	32.6 AT 16:33 CST ON APR 6	32.3 ON APR 7 *	0S OR MAR 1	84 300	1976
1977	0 B AT 00:01 CST ON MAR 1	0 B ON MAR 1	0S OR MAR 1	0	1977
1978	3.00 AT 12:14 CST ON MAR 31	2.69 ON MAR 31	0S OR MAR 1	2 330	1978
1979	18.6 B AT 17:15 CST ON APR 30	18.0 ON APR 30	0S OR MAR 1	42 800	1979
1980	0.8110 AT 13:10 CST ON APR 1	0.7405 ON APR 1	0S OR MAR 1	228	1980
1981	0.0105 AT 10:30 CST ON MAR 18	0.0095 ON MAR 18	0S OR MAR 1	8.31	1981
1982	38.6 B AT 15:15 CST ON APR 17	23.3 B ON APR 17	0S OR MAR 1	18 400	1982
1983	10.4 AT 00:38 CST ON APR 20	10.3 ON APR 20	0S OR MAR 1	15 200	1983
1984	0 AT 00:00 CST ON MAR 1	0 ON MAR 1	0 OR MAR 1	0	1984
1985	0.873 AT 03:55 CST ON MAR 19	0.791 ON MAR 19	0S OR MAR 1	838	1985
1986	3.43 AT 04:36 CST ON MAY 11	3.32 ON MAY 11	0 OR JUN 7	4 380	1986
1987	0.337 AT 08:32 CST ON APR 4	0.328 ON APR 4	0S OR MAR 1	273	1987
1988	---	0 ON MAR 1	0 OR MAR 1	0	1988
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		18 400	MEAN

MOOSE JAW RIVER NEAR ROULEAU - STATION NO. 05JE004

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1944	---	---	0	0	0.080	0.987	---	---	---	---	---	---	---	1944
1945	---	---	0	0	0.002	0.035	0.232	---	---	---	---	---	---	1945
1946	---	---	8.23	1.87	0.003	0.034	---	---	---	---	---	---	---	1946
1947	---	---	0	18.8	1.97	0.379	---	---	---	---	---	---	---	1947
1948	---	---	0	36.8	14.2	0.331	---	---	---	---	---	---	---	1948
1949	---	---	0.002	2.21	0.018	0.018	---	---	---	---	---	---	---	1949
1950	---	---	0.008	14.2	2.38	0.049	---	---	---	---	---	---	---	1950
1951	---	---	0	17.2	13.5	0.387	---	---	---	---	---	---	---	1951
1952	---	---	0.018	20.6	0.272	0.132	---	---	---	---	---	---	---	1952
1953	---	---	1.07	0.878	1.80	40.7	7.47	0.188	0.021	0	---	---	5.44	1953
1954	---	---	0	0.008	0.280	4.07	0.875	1.76	5.21	2.87	---	---	1.81	1954
1955	---	---	0.100	24.8	27.8	1.20	0.15	0.730	0	0	---	---	7.97	1955
1956	---	---	0.887	26.8	2.25	0.148	0.759	0.025	0.001	0	---	---	3.79	1956
1957	---	---	1.97	2.82	0.088	0	0	0	0	0	---	---	0.878	1957
1958	---	---	0.830	3.10	0.007	0.003	0	0	0	0	---	---	0.488	1958
1959	---	---	0.027	0.020	0.003	0.033	1.98	0.008	0	1.42	---	---	0.439	1959
1960	---	---	7.81	15.7	0.885	5.11	2.74	0.060	0	0	---	---	3.87	1960
1961	---	---	1.88	0.178	0.011	0	0	0	0	0	---	---	0.262	1961
1962	---	---	1.81	2.85	0.188	0.287	0.002	0.011	0.005	0	---	---	0.825	1962
1963	---	---	1.16	0.248	0.070	0.837	3.78	0.050	0.114	0.004	---	---	0.788	1963
1964	---	---	0	1.83	0.433	0.578	0.088	0.008	0	0	---	---	0.372	1964
1965	---	---	0	3.32	7.00	4.80	0.483	0.014	0.014	0.008	---	---	1.94	1965
1966	---	---	1.78	0.852	0.243	0.011	0.007	0.012	0.018	0.371	---	---	0.388	1966
1967	---	---	0.002	12.7	2.82	0.048	0.003	0	0.002	0.222	---	---	1.92	1967
1968	---	---	0.890	0.202	0.003	0	0	0.138	0.081	0.052	---	---	0.184	1968
1969	---	---	0	37.3	8.78	0.487	0.784	0.085	0	0.277	---	---	5.81	1969
1970	---	---	0.212	12.7	27.2	3.38	0.808	0.012	0	0.111	---	---	5.81	1970
1971	---	---	0	25.8	2.01	0.148	0.005	0.024	0	0.088	---	---	3.80	1971
1972	---	---	7.00	2.01	0.830	1.18	0.107	0.032	0.002	0	---	---	1.41	1972
1973	---	---	0.004	0.033	0.058	0.178	0.017	0.002	0	0	---	---	0.035	1973
1974	---	---	0	38.0	20.4	2.14	0.201	3.07	0.471	0.048	---	---	8.08	1974
1975	---	---	0.032	21.8	20.0	1.80	0.511	0.020	0.007	0.001	---	---	5.43	1975
1976	---	---	8.11	48.3	2.71	4.88	1.81	0.785	0.113	0.112	---	---	8.08	1976
1977	---	---	0.010	0.104	0.807	0.015	0.148	0.003	0	0	---	---	0.088	1977
1978	---	---	1.08	4.10	0.833	0.088	0.018	0.001	0	0	---	---	0.729	1978
1979	---	---	0	18.4	20.2	1.83	4.48	0.051	0	0	---	---	5.88	1979
1980	---	---	0.018	1.74	0	0.001	0.005	0	0	0	---	---	0.218	1980
1981	---	---	0.017	0.003	0	0	0	0	0	0	---	---	0.003	1981
1982	---	---	0	26.5	3.78	1.83	3.85	0.224	0	0	---	---	4.88	1982
1983	---	0.032	0.786	22.4	4.36	0.328	0.088	0	0	0	---	---	3.45	1983
1984	---	---	0.010	0.046	0	0	0	0	0	0	---	---	0.007	1984
1985	---	---	1.83	1.00	0	0	0	0	0	0	---	---	0.318	1985
1986	---	---	2.17	0.708	4.88	0.088	0.047	0.003	0	0	---	---	0.888	1986
1987	---	---	0.104	0.208	0	0	0	0.188	0	0	---	---	0.080	1987
1988	---	---	0	0	0	0	0	0	0	0	---	---	0	1988
MEAN	---	0.032	1.07	10.5	4.21	1.73	1.08	0.207	0.188	0.180	---	---	2.38	MEAN

LOCATION - LAT 50 11 28 N DRAINAGE AREA, 2 880 km^2
LONG 104 58 08 W REGULATED

REMARKS - RECORDS WERE COLLECTED AT SE18-14-22-W2 FROM 1944-73, AND AT NE17-14-22-W2 FROM 1974-78

MOOSE JAW RIVER NEAR ROULEAU - STATION NO. 05JE004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1944	---	2.55 ON JUN 17	0 ON MAR 1 *	---	1944
1945	---	1.55 ON JUL 25	0 ON MAR 1	---	1945
1946	---	21.7 ON MAR 28	0 ON MAR 1	---	1946
1947	---	44.2 ON APR 12	0B ON MAR 1	---	1947
1948	---	151 ON APR 23	0B ON MAR 1	---	1948
1949	---	10.3 B ON APR 6	0B ON MAR 1	---	1949
1950	---	53.5 ON APR 19	0B ON MAR 1	---	1950
1951	---	30.9 ON MAY 2	0B ON MAR 1	---	1951
1952	---	45.5 ON APR 7	0B ON MAR 1	---	1952
1953	98.6 AT 22:00 CST ON JUN 6	95.7 ON JUN 6	0B ON MAR 1	137 000	1953
1954	---	18.6 ON SEP 17	0B ON MAR 1	38 200	1954
1955	---	81.7 ON MAY 7	0B ON MAR 1	189 000	1955
1956	82.1 AT 02:00 CST ON APR 14	75.9 ON APR 13	0B ON MAR 1	80 200	1956
1957	---	10.2 B ON MAR 31	0B ON MAR 1	12 200	1957
1958	15.9 B AT 10:30 CST ON APR 1	15.7 B ON APR 1	0 ON MAR 1	10 600	1958
1959	10.3 AT 12:00 CST ON JUL 2	10.1 ON JUL 2	0B ON MAR 1	9 300	1959
1960	---	42.5 ON APR 1	0B ON MAR 1	84 000	1960
1961	---	9.00 B ON MAR 19	0B ON MAR 1	5 550	1961
1962	---	14.0 B ON MAR 29	0B ON MAR 1	13 200	1962
1963	---	12.3 ON JUL 15	0B ON MAR 1	16 800	1963
1964	---	8.24 B ON APR 5	0B ON MAR 1	7 880	1964
1965	---	21.1 ON MAY 31	0B ON MAR 1	41 100	1965
1966	---	5.44 B ON MAR 21	0B ON MAR 1	8 180	1966
1967	45.0 AT 13:30 CST ON APR 11	44.7 ON APR 11	0B ON MAR 1	40 700	1967
1968	---	2.14 B ON MAR 20	0B ON MAR 1	3 800	1968
1969	140 AT 05:00 CST ON APR 12	139 ON APR 12	0B ON MAR 1	116 000	1969
1970	---	70.5 ON MAY 7	0B ON MAR 1	117 000	1970
1971	73.3 AT 04:00 CST ON APR 10	70.5 ON APR 10	0B ON MAR 1	74 100	1971
1972	24.6 AT 13:00 CST ON MAR 23	24.6 ON MAR 23	0B ON MAR 1	29 800	1972
1973	0.351 AT 16:05 CST ON JUN 10	0.348 ON JUN 10	0B ON MAR 1	788	1973
1974	180 AT 20:30 CST ON APR 20 *	162 ON APR 20 *	0B ON MAR 1	171 000	1974
1975	88.6 AT 14:45 CST ON APR 23	88.3 ON APR 23	0B ON MAR 1	115 000	1975
1976	107 AT 05:14 CST ON APR 5	106 ON APR 4	0B ON MAR 1	171 000	1976
1977	8.12 AT 04:05 CST ON MAY 24	5.80 ON MAY 23	0B ON MAR 1	2 100	1977
1978	22.8 AT 05:32 CST ON MAR 31	22.1 ON MAR 31	0B ON MAR 1	15 400	1978
1979	73.8 AT 10:45 CST ON APR 22	73.1 ON APR 22	0B ON MAR 1	120 000	1979
1980	---	3.85 B ON APR 5	0B ON MAR 1	4 570	1980
1981	0.0818 AT 07:10 CST ON MAR 21	0.0553 ON MAR 21	0B ON MAR 1	83.8	1981
1982	108 AT 10:00 CST ON APR 17	105 ON APR 17	0B ON MAR 1	88 300	1982
1983	38.7 B AT 12:15 CST ON APR 7	38.4 ON APR 13	0 ON JUN 28	73 000	1983
1984	0.8498 AT 04:29 CST ON APR 1	0.5888 ON APR 1	0B ON MAR 1	140	1984
1985	10.8 B AT 10:01 CST ON MAR 21	9.33 B ON MAR 21	0B ON MAR 1	5 880	1985
1986	18.1 AT 16:23 CST ON MAY 13	15.9 ON MAY 13	0 ON JUL 21	21 100	1986
1987	2.07 AT 04:29 CST ON AUG 2	1.71 ON AUG 2	0B ON MAR 1	1 280	1987
1988	0 B AT 00:00 CST ON MAR 1	0 B ON MAR 1	0B ON MAR 1	0	1988
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		80 400	MEAN

MOOSE MOUNTAIN CREEK ABOVE KISBEY IRRIGATION PROJECT - STATION NO. 05NC003

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1980	---	---	0	1.68	0.287	0.188	0.187	0.003	0	0	---	---	0.272	1980
1981	---	---	0.031	0.120	0.144	0.053	0.001	0	0	0.007	---	---	0.044	1981
1982	---	---	0	0.122	0.110	0.088	0.018	0.001	0.004	0.002	---	---	0.044	1982
1983	---	---	0.133	0.110	0.111	0.134	0.188	0.031	0.013	0.008	---	---	0.088	1983
1984	---	---	0	0.787	0.273	0.430	0.110	0.017	0.012	0.023	---	---	0.200	1984
1985	---	---	0	0.887	0.284	0.147	0.111	0.110	0.041	0.080	---	---	0.188	1985
1986	---	---	0.384	0.823	0.203	0.128	0.027	0.010	0.007	0.005	---	---	0.209	1986
1987	---	---	0	1.24	0.822	0.304	0.111	0.014	0.002	0.010	---	---	0.311	1987
1988	---	---	0.420	0.148	0.140	0.058	0.008	0.014	0.028	0.020	---	---	0.104	1988
1989	---	---	0	8.87	2.38	0.821	0.338	0.188	0.018	0.107	---	---	1.82	1989
1990	---	---	0	2.88	4.19	1.83	0.782	0.588	0.388	0.381	0.378	0.180	1.38	1990
1991	0.010	0	0.039	8.88	1.43	0.828	0.728	0.010	0.018	0.114	0.133	0.070	1.18	1991
1992	0	0	1.74	2.13	1.10	0.327	0.081	0.102	0.038	0.084	0.081	0.023	0.888	1992
1993	---	---	0.148	0.248	0.238	0.342	0.058	0.008	0.088	0.112	---	---	0.148	1993
MEAN	0.008	0	0.207	1.88	0.838	0.370	0.188	0.578	0.048	0.088	0.187	0.081	0.488	MEAN

LOCATION - LAT 49 41 08 N DRAINAGE AREA, 3 280 km^2
LONG 102 47 48 W REGULATED

MOOSE MOUNTAIN CREEK ABOVE KISBEY IRRIGATION PROJECT - STATION NO. 05NC003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1980	9.23 AT 08:30 CST ON APR 7	9.08 ON APR 7	0B ON MAR 1 *	5 780	1980
1981	---	0.348 ON MAY 14	0 ON MAR 1	837	1981
1982	---	0.8098 ON APR 18	0B ON MAR 1	831	1982
1983	1.19 AT 01:30 CST ON MAR 28	0.991 ON MAR 28	0 ON MAR 1	1 880	1983
1984	---	2.24 A ON APR 8	0B ON MAR 1	4 230	1984
1985	4.90 E AT 12:00 CST ON APR 16	3.86 E ON APR 16	0B ON MAR 1	3 880	1985
1986	---	3.88 B ON APR 4	0B ON MAR 1	4 420	1986
1987	4.82 B AT 19:15 CST ON APR 4	3.85 B ON APR 5	0B ON MAR 1	6 880	1987
1988	---	1.44 B ON MAR 18	0B ON MAR 1	2 210	1988
1989	28.7 A AT 15:30 CST ON APR 11 *	28.4 A ON APR 11 *	0B ON MAR 1	32 200	1989
1970	8.30 AT 18:00 CST ON MAY 7	8.27 ON MAY 7	0B ON MAR 1	28 300	1970
1971	23.8 B AT 22:40 CST ON APR 8	18.8 B ON APR 10	0B ON MAR 1	24 800	1971
1972	---	8.81 B ON MAR 21	0B ON MAR 1	14 700	1972
1973	0.840 AT 09:45 CST ON JUN 6	0.817 ON JUN 7	0B ON MAR 1	3 180	1973
				9 820	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

MOOSE MOUNTAIN CREEK BELOW KISBEY IRRIGATION PROJECT - STATION NO. 05NC004

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1980	---	---	0	1.11	0.380	0.203	0.066	0	0	0	---	---	0.218	1980
1981	---	---	0	0.004	0.081	0.002	0	0	0	0	---	---	0.011	1981
1982	---	---	0	0	0	0.018	0	0	0	0	---	---	0.002	1982
1983	---	---	0	0.059	0.014	0.055	0.408	0.088	0.008	0	---	---	0.080	1983
1984	---	---	0	0.821	0.530	0.387	0.148	0.027	0	0	---	---	0.230	1984
1985	---	---	0	0.157	0.487	0.240	0.087	0.005	0.003	0.001	---	---	0.124	1985
1986	---	---	0.005	1.50	0.158	0.057	0.003	0	0	0	---	---	0.215	1986
1987	---	---	0	0.385	0.726	0.006	0.001	0	0	0	---	---	0.140	1987
1988	---	---	0.186	0.238	0.047	0.036	0	0.008	0	0.003	---	---	0.080	1988
1989	---	---	0	8.87	2.26	0.272	0.278	0.101	0.012	0.007	---	---	1.43	1989
1970	---	---	0	1.90	4.73	1.40	0.441	0.073	0.109	0.318	0.280	0.088	1.12	1970
1971	0	0	0	8.93	2.08	0.343	0.337	0.102	0	0.026	0.070	0.008	1.08	1971
1972	0	0	0.826	2.86	1.20	0.771	0.116	0.002	0	0	0.001	0	0.877	1972
1973	---	---	0.027	0.186	0.178	0.187	0.015	0	0.005	0.054	---	---	0.074	1973
MEAN	0	0	0.073	1.68	0.820	0.285	0.135	0.039	0.010	0.028	0.110	0.031	0.381	MEAN

LOCATION - LAT 49 37 02 N, LONG 102 35 33 W
DRAINAGE AREA, 3 600 km^2
REGULATED

MOOSE MOUNTAIN CREEK BELOW KISBEY IRRIGATION PROJECT - STATION NO. 05NC004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1980	---				
1981	0.144 AT 08:00 CST ON MAY 11	0.138 ON MAY 11	0 ON MAR 1	234	1981
1982	0.119 AT 13:00 CST ON JUN 20	0.113 ON JUN 19	0 ON MAR 1	48.3	1982
1983	2.20 AT 09:00 CST ON JUL 19	2.14 ON JUL 19	0 ON MAR 1	1 880	1983
1984	1.61 AT 24:00 CST ON APR 24	1.59 ON APR 24	0B ON MAR 1	5 050	1984
1985	1.41 AT 15:00 CST ON MAY 8	1.32 ON MAY 8	0B ON MAR 1	2 620	1985
1986	3.82 AT 08:30 CST ON APR 4	2.82 ON APR 4	0B ON MAR 1	4 670	1986
1987	1.66 AT 20:00 CST ON APR 30	1.50 ON MAY 1	0B ON MAR 1	2 850	1987
1988	1.32 AT 17:00 CST ON MAR 28	1.20 ON MAR 28	0B ON MAR 1	1 280	1988
1989	21.0 B AT 11:46 CST ON APR 15 *	20.7 B ON APR 14 *	0B ON MAR 1	30 300	1989
1970	7.25 AT 21:50 CST ON MAY 13	6.88 ON MAY 13	0B ON MAR 1	23 800	1970
1971	14.5 AT 13:00 CST ON APR 13	14.0 ON APR 13	0B ON MAR 1	23 100	1971
1972	9.15 B AT 12:25 CST ON MAR 27	8.08 B ON MAR 27	0B ON MAR 1	14 300	1972
1973	0.244 AT 11:50 CST ON JUN 4	0.236 ON JUN 4	0B ON MAR 1	1 580	1973
				8 290	MEAN

B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

MOOSE MOUNTAIN CREEK BELOW MOOSE MOUNTAIN LAKE - STATION NO. 05NC001

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1959	---	---	0.006	0.116	0.204	0.036	0.009	0.006	0.012	0.024	---	---	0.052	1959
1960	---	---	0.021	0.453	0.025	0.018	0.009	0.006	0.004	0.006	---	---	0.057	1960
1961	---	---	0	0.005	0.015	0.010	0.002	0	0.012	0.014	---	---	0.007	1961
1962	---	---	0	0.018	0.006	0.008	0.002	0.001	0	0	---	---	0.004	1962
1963	---	---	0.007	0.006	0.009	0.006	0.004	0.002	0.004	0.003	---	---	0.006	1963
1964	---	---	0	0.375	0.028	0.024	0.016	0.009	0.004	0.004	---	---	0.057	1964
1965	---	---	0	0.044	0.017	0.009	0.006	0.003	0.010	0.007	---	---	0.012	1965
1966	---	---	0.335	0.200	0.072	0.040	0.028	0.022	0.024	0.054	---	---	0.088	1966
1967	---	---	0.076	0.825	0.585	0.113	0.028	0.018	0.011	0.016	---	---	0.217	1967
1968	---	---	0.310	0.030	0.028	0.012	0.014	0.018	0.010	0.011	---	---	0.055	1968
1969	---	---	0	5.12	0.989	0.118	0.067	0.016	0.013	0.014	---	---	0.783	1969
1970	---	---	0	2.42	2.73	1.12	0.868	0.540	0.178	0.185	---	---	1.02	1970
1971	---	---	0.114	5.80	1.04	0.228	0.152	0.013	0.017	0.015	---	---	0.884	1971
1972	---	---	1.12	1.12	0.420	0.084	0.021	0.030	0.018	0.012	---	---	0.352	1972
1973	---	---	0.180	0.083	0.015	0.047	0.013	0.010	0.078	0.013	---	---	0.053	1973
1974	---	---	0	7.03	2.94	0.444	0.001	0.025	0.002	0.011	---	---	1.29	1974
1975	---	---	0.003	11.2	8.70	1.04	0.148	0.017	0.082	0.018	---	---	2.63	1975
1976	---	---	0.027	14.3	2.18	1.88	0.720	0.270	0.033	0.028	---	---	2.36	1976
1977	---	---	0.122	0.823	0.383	0.108	0.023	0.009	0.060	0.848	0.027	---	0.227	1977
1978	---	---	0.230	0.435	0.337	0.141	0.108	0.021	0.023	0.018	---	---	0.183	1978
1979	---	---	0	5.84	5.27	0.870	0.031	0.009	0.018	0.017	---	---	1.44	1979
1980	---	---	0.215	0.867	0.141	0.021	0.008	0.078	0.012	0.010	---	---	0.180	1980
1981	---	---	0.009	0.013	0.018	0.022	0.005	0.006	0.002	0.005	---	---	0.011	1981
1982	---	---	0.012	1.43	0.694	0.053	0.232	0.681	0.048	0.085	---	---	0.380	1982
1983	---	---	0.018	5.35	3.44	0.388	0.118	0.014	0.010	0.018	---	---	1.16	1983
1984	---	---	0.033	0.028	0.032	0.018	0.004	0.004	0.007	0.014	---	---	0.017	1984
1985	---	---	0.804	2.12	0.375	0.086	0.022	0.021	0.021	0.021	---	---	0.431	1985
1986	---	---	0.832	0.348	0.308	0.141	0.048	0.013	0.014	0.018	---	---	0.180	1986
1987	---	---	0.247	0.208	0.087	0.018	0.012	0.010	0.014	0.012	---	---	0.073	1987
1988	---	---	0.011	0.021	0.028	0.012	0.004	0.005	0.003	0.007	---	---	0.011	1988
MEAN	---	---	0.180	2.20	1.04	0.217	0.082	0.063	0.024	0.042	0.027	---	0.474	MEAN

LOCATION - LAT 49 52 23 N DRAINAGE AREA, 2 310 km²
LONG 103 00 54 W REGULATED

MOOSE MOUNTAIN CREEK BELOW MOOSE MOUNTAIN LAKE - STATION NO. 05NC001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1959	---	0.840 ON MAY 2	0 B ON MAR 1 *	1 080	1959
1960	---	3.81 B ON APR 4	0 B ON MAR 1	1 420	1960
1961	---	0.062 ON SEP 9	0 B ON MAR 1	154	1961
1962	---	0.0848 ON APR 4	0 B ON MAR 1	89.7	1962
1963	---	0.0318 ON MAR 23	0 B ON MAR 1	117	1963
1964	---	3.89 B ON APR 4	0 B ON MAR 1	1 200	1964
1965	---	0.147 ON APR 14	0 B ON MAR 1	248	1965
1966	---	3.86 B ON MAR 31	0 B ON MAR 1	2 070	1966
1967	---	1.52 B ON APR 22	0 B ON MAR 1	4 810	1967
1968	---	2.80 B ON MAR 6	0 B ON MAR 1	1 150	1968
1969	---	14.2 B ON APR 11	0 B ON MAR 1	18 800	1969
1970	---	8.82 ON MAY 2	0 B ON MAR 1	21 800	1970
1971	---	8.88 B ON APR 8	0 B ON MAR 1	18 700	1971
1972	---	2.81 B ON MAR 26	0 B ON MAR 1	7 430	1972
1973	---	0.4428 ON MAR 18	0 B ON MAR 1	1 120	1973
1974	---	21.8 ON APR 21	0 B ON MAR 1	27 300	1974
1975	---	46.2 ON APR 23 *	0.001 ON JUL 26	55 700	1975
1976	29.7 AT 21:21 CST ON APR 9 *	29.4 ON APR 9	0.011 ON OCT 23	48 900	1976
1977	---	0.800E ON APR 15	0.001 ON AUG 7	4 810	1977
1978	2.33 B AT 07:58 CST ON MAR 28	2.07 B ON MAR 28	0 B ON MAR 1	3 450	1978
1979	19.8 B AT 02:00 CST ON APR 22	18.8 B ON APR 22	0 B ON MAR 1	30 400	1979
1980	3.37 B AT 08:30 CST ON MAR 30	2.57 B ON MAR 30	0 B ON MAR 1	3 810	1980
1981	0.138 AT 17:03 CST ON OCT 30	0.093 ON JUN 15	0 ON JUL 26	228	1981
1982	8.53 B AT 06:12 CST ON APR 14	7.85 B ON APR 14	0 ON JUN 13	8 280	1982
1983	18.2 AT 07:26 CST ON APR 22	17.8 ON APR 22	0.002 ON SEP 3	24 600	1983
1984	0.1608 AT 06:57 CST ON MAR 26	0.1418 ON MAR 26	0 ON JUL 5	368	1984
1985	8.68 B AT 10:17 CST ON MAR 22	8.85 B ON MAR 22	0 B ON MAR 1	8 120	1985
1986	1.68 B AT 22:07 CST ON MAR 5	1.17 B ON MAR 4	0.0015 ON MAR 1	4 020	1986
1987	1.56 B AT 05:13 CST ON MAR 24	1.11 B ON MAR 23	0.0005 ON AUG 26	1 850	1987
1988	0.133 AT 06:57 CST ON MAY 7	0.073 ON MAY 7	0 ON SEP 9	241	1988
				10 000	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

MOOSE MOUNTAIN CREEK NEAR GLENAVON - STATION NO. 05NC005

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1971	---	---	0.010	3.00	0.474	0.115	0.057	0.017	0	0	---	---	---	1971
MEAN	---	---	0.010	3.00	0.474	0.115	0.057	0.017	0	0	---	---	---	MEAN

LOCATION - LAT 50 05 20 N DRAINAGE AREA, 1 020 km²
LONG 103 05 25 W NATURAL FLOW

MOOSE MOUNTAIN CREEK NEAR OXBOW - STATION NO. 05ND004

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1913	---	---	---	---	---	---	---	---	0.080	0.139	0.142	0.088	---	1913
1914	---	---	---	5.34	3.01	2.02	0.540	0.078	0.111	0.038	---	---	---	1914
1915	---	---	0.002	0.287	0.238	0.238	0.238	0.018	0	0	---	---	0.123	1915
1916	---	---	---	---	3.75	1.40	0.611	0.138	0.003	0.148	---	---	---	1916
1917	---	---	---	---	4.83	0.988	0.311	0.003	0.001	0	---	---	---	1917
1933	---	---	---	1.04	0.381	0.126	0	0	0	---	---	---	---	1933
1934	---	---	---	1.08	0.152	0	0	0	0	---	---	---	---	1934
1935	---	---	---	0.797	0.288	0.171	0.076	0.024	---	---	---	---	---	1935
1936	---	---	---	---	1.17	0.083	0	0	0	---	---	---	---	1936
1937	---	---	---	---	0.017	0	0	0	0	---	---	---	---	1937
1938	---	---	---	0.189	0.017	0	0.011	0	0	---	---	---	---	1938
1939	---	---	---	1.43	0.047	0	0.032	0	0	---	---	---	---	1939
1940	---	---	---	0.028	0.026	0	0	0	0	---	---	---	---	1940
1941	---	---	---	0.591	0.076	0.057	0	0	0	---	---	---	---	1941
1942	---	---	---	---	0.430	0.192	0.057	0.248	0.122	0.071	---	---	---	1942
1943	---	---	---	12.4	1.48	0.762	0.253	0.045	0	0	---	---	---	1943
1944	---	---	---	0.414	0.320	0.788	0.855	0.264	0.078	0.045	---	---	---	1944
1945	---	---	---	0.202	0.105	0.258	0.598	0.089	0.050	0.073	---	---	---	1945
1946	---	---	---	3.38	0.374	0.258	0.101	---	---	---	---	---	---	1946
1947	---	---	---	17.6	3.82	3.22	0.884	0.228	0.074	0.074	---	---	---	1947
1948	---	---	---	---	9.54	0.804	0.194	0.068	0.001	0	---	---	---	1948
1949	---	---	---	4.78	0.424	0.494	0.084	0.083	0	0	---	---	---	1949
1950	---	---	---	5.81	1.76	0.880	0.494	0.837	0.098	0.109	---	---	---	1950
1951	---	---	---	5.93	3.72	0.905	0.141	0.040	0.100	0.238	---	---	---	1951
1952	---	---	---	2.20	0.801	0.278	0.244	0.012	0.112	0.093	---	---	---	1952
1953	---	---	---	5.78	1.68	4.20	1.85	0.408	0.088	0.081	---	---	---	1953
1954	---	---	---	2.28	1.98	8.90	3.45	0.880	1.04	1.13	1.24	---	---	1954
1955	---	---	---	22.0	18.2	8.48	3.21	0.884	0.880	0.813	---	---	---	1955
1956	---	---	0.882	21.7	8.28	3.28	1.89	1.23	0.202	0.482	---	---	4.28	1956
1957	---	---	3.00	5.90	2.20	0.826	0.253	0.884	0.184	0.089	---	---	1.84	1957
1958	---	---	3.85	6.81	0.493	0.044	0.004	0	0	0	---	---	1.33	1958
1959	---	---	0.878	0.171	0.134	0.123	0.080	0.007	0.008	0.028	---	---	0.182	1959
1960	---	---	0.188	8.98	0.891	0.288	0.035	0.001	0	0	---	---	0.880	1960
1961	---	---	0.084	0.026	0.076	0.117	0	0	0	0	---	---	0.033	1961
1962	---	---	0.077	0.071	0.003	0.018	0.001	0	0	0	---	---	0.021	1962
1963	---	---	1.81	0.138	0.182	0.283	0.313	0.124	0.139	0.008	---	---	0.344	1963
1964	---	---	0.001	3.87	1.02	0.244	0.188	0.013	0	0	---	---	0.818	1964
1965	---	---	0	1.24	0.895	0.885	0.882	0.309	0.182	0.033	---	---	0.482	1965
1966	---	---	2.88	3.81	0.788	0.188	0.028	0	0	0	---	---	0.841	1966
1967	---	---	0.014	1.17	0.882	0.144	0.007	0	0	0	---	---	0.273	1967
1968	---	---	1.48	0.304	0.087	0.008	0	0.002	0.001	0	---	---	0.235	1968
1969	---	---	0	28.2	2.53	0.282	1.86	0.308	0.017	0.101	---	---	2.82	1969
1970	---	---	0.148	8.32	8.12	1.70	1.31	0.088	0.008	0.274	---	---	2.38	1970
1971	0	0	0.382	8.84	2.88	0.821	0.882	0.032	0.012	0.045	0.024	0.002	1.38	1971
1972	0	0	7.17	7.25	1.91	1.17	0.118	0.123	0.023	0.008	0.008	0	2.21	1972
1973	0	0	0.524	0.272	0.282	0.241	0.018	0	0	0.021	0.089	0.012	0.186	1973
1974	---	---	0	22.8	7.84	1.44	0.287	0.034	0.011	0	---	---	4.02	1974
1975	---	---	0	17.4	18.1	4.97	0.717	0.854	2.30	0.882	---	---	5.72	1975
1976	---	---	0.377	51.5	8.38	2.88	1.81	0.888	0.182	0.045	0.087	---	7.84	1976
1977	---	---	0.182	0.812	0.783	0.383	0.018	0	0	0.042	0.244	---	0.288	1977
1978	---	---	0.881	2.85	1.08	0.431	0.227	0.012	0.041	0.018	---	---	0.838	1978
1979	---	---	0	15.8	8.68	1.76	0.382	0.013	0	0	---	---	3.40	1979
1980	---	---	0.034	3.48	0.440	0.038	0.001	0	0.004	0.001	---	---	0.482	1980
1981	---	0.385	0.088	0.070	0.040	0.004	0	0	0	0	---	---	0.025	1981
1982	---	---	0	11.7	1.37	0.242	0.081	0.028	0	0.008	---	---	1.84	1982
1983	---	---	0.048	7.35	0.38	0.850	0.130	0	0	0	---	---	1.81	1983
1984	---	---	1.18	0.381	0.140	0.001	0	0	0	0	---	---	0.210	1984
1985	---	---	3.71	2.80	0.847	0.088	0.028	0.001	0.002	0.018	---	---	0.874	1985
1986	---	---	2.18	0.783	0.800	0.281	0.430	0.087	0.003	0.018	---	---	0.883	1986
1987	---	---	3.81	4.37	0.128	0.080	0	0	0	0	---	---	1.04	1987
1988	---	---	0	0.002	0.001	0	0	0	0	0	---	---	0	1988
MEAN	0	0.074	1.03	8.38	2.37	0.820	0.433	0.148	0.089	0.088	0.288	0.020	1.48	MEAN

LOCATION - LAT 49 13 58 N DRAINAGE AREA, 8 080 km²
LONG 102 13 41 W REGULATED

MOOSE MOUNTAIN CREEK NEAR OXBOW - STATION NO. 05NE004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1913	---	---	---	---	1913
1914	---	---	---	---	1914
1915	---	0.487 ON JUL 13	0 ON MAR 1 *	2 800	1915
1916	---	---	---	---	1916
1917	---	---	0 ON OCT 13	---	1917
1933	---	---	0 ON JUN 29	---	1933
1934	---	---	0 ON JUN 1	---	1934
1935	---	---	0 ON JUN 26	---	1935
1936	---	---	0 ON JUN 23	---	1936
1937	---	---	0 ON MAY 13	---	1937
1938	---	---	0 ON MAY 18	---	1938
1939	---	37.9 B ON MAR 26	0 ON MAY 30	---	1939
1940	---	0.183 ON APR 15	0 B ON APR 1	---	1940
1941	---	2.41 ON APR 2	0 ON JUN 25	---	1941
1942	---	---	---	---	1942
1943	---	---	---	---	1943
1944	---	---	---	---	1944
1945	---	---	---	---	1945
1946	---	80.1 ON MAR 27	0 ON AUG 8	---	1946
1947	---	---	---	---	1947
1948	---	88.7 ON APR 21	0 ON SEP 4	---	1948
1949	---	---	---	---	1949
1950	---	---	---	---	1950
1951	---	---	---	---	1951
1952	---	---	---	---	1952
1953	---	---	---	---	1953
1954	---	---	---	---	1954
1955	---	---	---	---	1955
1956	---	67.7 ON APR 12	0 B ON MAR 1	80 900	1956
1957	---	28.7 B ON MAR 23	0 B ON MAR 1	34 800	1957
1958	---	35.7 B ON MAR 31	0 B ON MAR 1	28 200	1958
1959	8.41 B AT 15:30 CST ON MAR 19	3.77 ON MAR 20	0 B ON MAR 1	3 210	1959
1960	---	44.2 B ON APR 5	0 B ON MAR 1	21 000	1960
1961	3.82 E AT 12:00 CST ON JUN 1	1.34 E ON JUN 1	0 B ON MAR 1	706	1961
1962	3.11 AT 01:00 CST ON MAR 31	1.13 ON MAR 31	0 ON MAR 1	447	1962
1963	---	12.8 B ON MAR 23	0 B ON MAR 1	7 280	1963
1964	18.1 B AT 21:00 CST ON APR 3	11.8 B ON APR 4	0 B ON MAR 1	13 100	1964
1965	15.5 AT 05:00 CST ON JUL 22	10.2 B ON APR 13	0 B ON MAR 1	10 400	1965
1966	40.3 B AT 16:00 CST ON MAR 31	33.1 B ON MAR 31	0 ON MAR 1	19 800	1966
1967	8.30 B AT 15:30 CST ON APR 9	8.52 B ON APR 9	0 B ON MAR 1	6 760	1967
1968	8.92 B AT 00:30 CST ON MAR 19	4.84 B ON MAR 19	0 ON MAR 1	4 980	1968
1969	---	113 B ON APR 10	0 B ON MAR 1	80 800	1969
1970	47.5 AT 13:00 CST ON APR 30	40.5 ON APR 30	0 B ON MAR 1	52 700	1970
1971	33.7 B AT 16:25 CST ON APR 8	23.9 B ON APR 8	0 B ON MAR 1	35 800	1971
1972	---	42.2 B ON MAR 22	0 B ON MAR 1	48 900	1972
1973	2.01 B AT 14:37 CST ON MAR 13	1.80 B ON MAR 13	0 B ON MAR 1	3 510	1973
1974	148 AT 08:41 CST ON APR 18	123 ON APR 18	0 B ON MAR 1	85 100	1974
1975	80.4 AT 14:23 CST ON APR 28	75.8 ON APR 29	0 B ON MAR 1	121 000	1975
1976	215 AT 07:58 CST ON APR 8 *	181 ON APR 8 *	0.020 ON OCT 18	188 000	1976
1977	1.84 AT 17:52 CST ON APR 15	1.07 ON APR 15	0 ON JUL 20	5 620	1977
1978	17.3 B AT 22:36 CST ON MAR 31	10.8 B ON APR 1	0 B ON MAR 1	13 500	1978
1979	99.6 B AT 09:30 CST ON APR 21	88.3 B ON APR 21	0 B ON MAR 1	72 100	1979
1980	---	18.0 B ON APR 2	0 B ON MAR 1	10 400	1980
1981	---	0.3708 ON MAR 1	0 ON JUN 3	533	1981
1982	118 AT 10:20 CST ON APR 15	99.5 B ON APR 15	0 B ON MAR 1	34 800	1982
1983	38.4 AT 11:31 CST ON APR 20	31.3 ON APR 20	0 B ON MAR 1	38 400	1983
1984	8.49 B AT 12:21 CST ON MAR 24	8.86 B ON MAR 24	0 B ON MAR 13	4 480	1984
1985	25.1 B AT 18:00 CST ON MAR 18	19.3 B ON MAR 19	0 B ON MAR 1	18 500	1985
1986	12.2 B AT 17:15 CST ON MAR 3	10.4 B ON MAR 4	0.001 ON SEP 6	11 700	1986
1987	28.6 B AT 10:34 CST ON APR 2	25.4 B ON APR 2	0 B ON MAR 1	22 000	1987
1988	0.030 AT 17:05 CST ON MAY 3	0.008 ON APR 9	0 B ON MAR 1	8.38	1988
				31 400	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

MORIN CREEK NEAR MEADOW LAKE - STATION NO. 05AD005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1965	---	---	---	0.955	0.357	---	---	---	---	---	---	---	---	1965
1966	---	---	0.725	---	---	---	---	---	---	---	---	---	---	1966
1970	---	---	---	2.60	---	---	---	---	---	---	---	---	---	1970
1976	---	---	0.005	0.758	0.119	0.024	0.004	0.001	0	0	---	---	0.112	1976
1977	---	---	0	0.300	0.328	0.188	0.030	0.005	0.010	0.004	---	---	0.105	1977
1978	---	---	0	1.01	2.01	0.211	0	0	0	0	---	---	0.403	1978
1979	---	---	0	1.35	0.924	0.214	0.008	0	0	0	---	---	0.308	1979
1980	---	---	0	0.739	0.005	0	0	0	0	0	---	---	0.081	1980
1981	---	---	0.015	0.150	0.046	0.001	0	0	0	0	---	---	0.028	1981
1982	---	---	0	1.45	0.487	0	0	0	0	0	---	---	0.238	1982
1983	---	---	0	0.585	0.015	0	0	0	0	0	---	---	0.072	1983
1984	---	---	0.139	0.751	1.14	1.53	0.181	0.037	0.047	0.100	---	---	0.488	1984
1985	---	---	0.015	2.19	1.75	0.382	0.004	0	0	0.002	---	---	0.538	1985
1986	---	---	0.898	1.26	0.202	0.068	0.187	1.69	0.206	0.117	---	---	0.641	1986
1987	---	---	0.018	1.22	0.161	0.003	0	0	0	0	---	---	0.172	1987
1988	---	---	0.001	0.773	0.058	0.018	0.293	2.20	2.51	0.377	---	---	0.774	1988
MEAN	---	---	0.118	1.07	0.543	0.202	0.052	0.295	0.213	0.048	---	---	0.295	MEAN

LOCATION - LAT 54 09 55 N DRAINAGE AREA, 187 km²
LONG 108 34 38 W NATURAL FLOW

REMARKS - PRIOR TO 1978, DATA COLLECTED APPROX. 2.0 km UPSTREAM IN SE02-50-18-W3

MORIN CREEK NEAR MEADOW LAKE - STATION NO. 05AD005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1965	---	---	---	---	1965
1966	---	---	---	---	1966
1970	---	---	---	---	1970
1976	---	2.83 B ON APR 4	0B ON MAR 1 *	2 370	1976
1977	---	1.84 B ON APR 9	0B ON MAR 1	2 220	1977
1978	---	5.66 B ON APR 11	0B ON MAR 1	8 530	1978
1979	---	5.83 B ON APR 28	0B ON MAR 1	6 840	1979
1980	---	4.20 ON APR 14	0B ON MAR 1	1 930	1980
1981	0.3289 AT 08:50 CST ON APR 2	0.3278 ON APR 2	0B ON MAR 1	580	1981
1982	8.84 AT 20:23 CST ON APR 23 *	8.35 ON APR 24 *	0B ON MAR 1	5 000	1982
1983	5.98 B AT 08:18 CST ON APR 7	4.81 B ON APR 7	0B ON MAR 1	1 520	1983
1984	3.34 AT 04:01 CST ON MAY 28	3.31 ON MAY 28	0B ON MAR 1	10 300	1984
1985	8.48 AT 08:50 CST ON APR 11	5.70 ON APR 11	0 ON JUL 11	11 400	1985
1986	8.72 B AT 09:50 CST ON MAR 30	5.84 B ON MAR 31	0 ON JUL 8	11 400	1986
1987	6.16 AT 06:34 CST ON APR 8	5.70 ON APR 8	0 ON JUN 5	3 840	1987
1988	8.48 AT 05:26 CST ON AUG 24	7.80 ON AUG 24	0B ON MAR 1	16 400	1988
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		8 300	MEAN

MORRISON DITCH NEAR EASTEND - STATION NO. 11AC043

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1919	---	---	---	---	---	---	---	---	---	---	---	---	---	1919
1920	---	---	0	0	0	0.006	0	0	0	0	---	---	0.006	1920
1921	---	---	0	0	0	0.054	0	0	0	0	---	---	0.007	1921
1922	---	---	0	0	0	0	0	0	0	0	---	---	0	1922
1923	---	---	0	0	0	0	0	0	0	0	---	---	0	1923
1924	---	---	0	0	0	0	0	0	0	0	---	---	0	1924
1925	---	---	0	0	0	0	0	0	0	0	---	---	0	1925
1926	---	---	0	0	0	0	0	0	0	0	---	---	0	1926
1927	---	---	0	0	0	0	0	0	0	0	---	---	0	1927
1928	---	---	0	0	0	0	0	0	0	0	---	---	0	1928
1929	---	---	0	0	0	0	0	0	0	0	---	---	0	1929
1930	---	---	0	0	0	0	0	0	0	0	---	---	0	1930
1931	---	---	0	0	0	0	0	0	0	0	---	---	0	1931
1932	---	---	0	0	0	0	0	0	0	0	---	---	0	1932
1933	---	---	0	0	0	0	0	0	0	0	---	---	0	1933
1934	---	---	0	0	0	0	0	0	0	0	---	---	0	1934
1935	---	---	0	0	0	0	0	0	0	0	---	---	0	1935
1936	---	---	0	0	0	0	0	0	0	0	---	---	0	1936
1937	---	---	0	0	0	0	0	0	0	0	---	---	0	1937
MEAN	---	---	0	0	0	0.007	0	0	0	0	---	---	0.001	MEAN

LOCATION - LAT 49 27 40 N
LONG 108 42 10 W REGULATED

MORRISON DITCH NEAR EASTEND - STATION NO. 11AE043

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1919	---	---		---	1919
1920			0 ON MAY 31 *		
1921	---	0.184 ON JUN 13 *		---	1921
1922	---	0.142 ON JUN 13	0 ON MAR 1	170	1922
1923	---	0 ON MAR 1	0 ON MAR 1	138	1923
1924	---	0 ON MAR 1	0 ON MAR 1	0	1924
		0 ON MAR 1	0 ON MAR 1	0	1925
1925	---		0 ON MAR 1	0	1926
1926	---	0 ON MAR 1			
1927	---	0 ON MAR 1	0 ON MAR 1	0	1927
1928	---	0 ON MAR 1	0 ON MAR 1	0	1928
1929	---	0 ON MAR 1	0 ON MAR 1	0	1929
		0 ON MAR 1	0 ON MAR 1	0	1930
1930	---				
1931	---	0 ON MAR 1	0 ON MAR 1	0	1931
1932	---	0 ON MAR 1	0 ON MAR 1	0	1932
1933	---	0 ON MAR 1	0 ON MAR 1	0	1933
1934	---	0 ON MAR 1	0 ON MAR 1	0	1934
		0 ON MAR 1			
1935	---		0 ON MAR 1	0	1935
1936	---	0 ON MAR 1	0 ON MAR 1	0	1936
1937	---	0 ON MAR 1	0 ON MAR 1	0	1937
		0 ON MAR 1		17	MEAN

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

MOSQUITO CREEK NEAR PAMBRUN - STATION NO. 05JB007

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1978	---	---	0.351	0.185	0.088	0.017	0.055	0	0	0	---	---	0.082	1978
1979	---	---	0.731	0.595	0.080	0.001	0	0	0	0	---	---	0.178	1979
1980	---	---	0.498	0.027	0	0	0	0	0	0	---	---	0.088	1980
1981	---	---	0.009	0.001	0	0	0	0	0	0	---	---	0.001	1981
1982	---	---	0.575	0.680	0.083	0.108	0.027	0	0	0	---	---	0.178	1982
1983	---	0.051	0.463	0.131	0.033	0	0	0	0	0	---	---	0.078	1983
1984	---	---	0.051	0.013	0	0.001	0	0	0	0	---	---	0.012	1984
1985	---	0	0.530	0.083	0	0	0	0	0	0	---	---	0.075	1985
1986	---	0.147	0.272	0.001	0.021	0.078	0.001	0	0	0	---	---	0.047	1986
1987	---	0.002	0.238	0.084	0.002	0	0	0	0	0	---	---	0.040	1987
1988	---	---	0	0	0	0	0	0	0	0	---	---	0	1988
MEAN	---	0.050	0.338	0.159	0.024	0.018	0.008	0	0	0	---	---	0.068	MEAN

LOCATION - LAT 49 55 37 N, LONG 107 38 13 W. DRAINAGE AREA, 126 km^2. NATURAL FLOW

MOSQUITO CREEK NEAR PAMBRUN - STATION NO. 05JB007

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1978	0.518 AT 02:45 CST ON MAR 27	3.50 B ON MAR 27	0B ON MAR 1 *	1 740	1978
1979	---	3.91 B ON MAR 19	0B ON MAR 1	3 720	1979
1980	---	2.38 B ON MAR 26			
1981	---	0.0528 ON MAR 1	0B ON MAR 1	1 400	1980
1982	7.588 AT 05:15 CST ON MAR 30 *	5.16 B ON MAR 30 *	0B ON MAR 21	25.4	1981
1983	5.06 AT 04:12 CST ON MAR 30	4.28 A ON MAR 30	0B ON MAR 1	3 770	1982
1984	1.528 AT 21:45 CST ON MAR 21	0.8588 ON MAR 22	0 ON JUN 3	1 820	1983
1985	4.518 AT 05:45 CST ON MAR 18		0B ON MAR 1	253	1984
1986	---	3.31 B ON MAR 18	0B ON MAR 8	1 580	1985
1987	1.97 AT 23:05 CST ON MAR 25	2.28 B ON MAR 1	0 ON APR 11	893	1986
1988	0 B AT 00:00 CST ON MAR 1	1.35 ON MAR 27	0B ON MAR 1	850	1987
		0 B ON MAR 1	0B ON MAR 1	0	1988
				1 460	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

MOSQUITO CREEK NEAR VANGUARD - STATION NO. 05JB008

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1974	---	---	0	1.87	---	---	---	---	---	---	---	---	---	1974
1975	---	---	0	1.41	0.270	0.001	0	0	0	0	---	---	0.207	1975
1976	---	---	1.78	0.138	0	0	0	0	0	0	---	---	0.238	1976
1977	---	---	0	0	0	0	0	0	0	0	---	---	0	1977
MEAN	---	---	0.660	0.852	0.080	0	0	0	0	0	---	---	0.148	MEAN

LOCATION - LAT 49 55 51 N, LONG 107 30 50 W. DRAINAGE AREA, 280 km^2. NATURAL FLOW

MOSQUITO CREEK NEAR VANGUARD - STATION NO. 05JB005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1974	---	---	---	---	1974
1975	14.2B AT 14:30 CST ON APR 22 *	11.2B ON APR 22	0B ON MAR 1 *	4 400	1975
1976	---	14.2B ON MAR 19 *	0B ON MAR 1	5 040	1976
1977	0 AT 00:00 CST ON MAR 1	0 ON MAR 1	0 ON MAR 1	0	1977
				3 180	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

MUDDY LAKE INFLOW NEAR REVENUE - STATION NO. 06BB004

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1971	---	---	0	1.07	0.012	0.003	0.026	0	0	0	---	---	0.268	1971
1972	---	---	0.204	0.484	0	0	0	0.002	0	0	---	---	0.083	1972
1973	---	---	0.144	0.003	0	0	0	0	0	0	---	---	0.018	1973
1974	---	---	0	0.734	0.004	0	0	0	0	0	---	---	0.090	1974
1975	---	---	0	0.309	0.004	0	0.001	0	0	0	---	---	0.038	1975
1976	---	---	0	0.839	0.002	0	0.023	0	0	0	---	---	0.108	1976
1977	---	---	0	0	0.080	0.004	0	0	0	0	---	---	0.011	1977
1978	---	---	0.010	0.004	0.018	0	0	0	0	0	---	---	0.015	1978
1979	---	---	0.008	0.202	0	0	0.033	0	0	0	---	---	0.030	1979
1980	---	---	0.336	0.148	0	0	0	0	0	0	---	---	0.060	1980
1981	---	---	0.084	0.008	0	0	0	0	0	0	---	---	0.007	1981
1982	---	---	0	0.104	0.001	0.008	0	0	0	0	---	---	0.013	1982
1983	---	---	0	0.842	0	0.002	0.039	0	0	0	---	---	0.083	1983
1984	---	---	0.263	0.002	0	0	0	0	0	0	---	---	0.034	1984
1985	---	---	0.003	1.75	0.002	0	0	0	0	0	---	---	0.215	1985
1986	---	---	0.124	0.008	0	0	0	0	0	0	---	---	0.017	1986
1987	---	---	0.144	0.036	0	0	0	0	0	0	---	---	0.023	1987
1988	---	---	0.012	0.001	0	0	0	0	0	0	---	---	0.002	1988
MEAN	---	---	0.072	0.408	0.007	0.001	0.008	0	0	0	---	---	0.081	MEAN

LOCATION - LAT 52 13 50 N DRAINAGE AREA, 282 km^2
LONG 109 02 10 W NATURAL FLOW

MUDDY LAKE INFLOW NEAR REVENUE - STATION NO. 06BB004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1971	53.2 AT 20:30 CST ON APR 10 *	15.3 ON APR 10 *	0B ON MAR 1 *	5 220	1971
1972	4.73 AT 22:45 CST ON APR 5	3.63 ON APR 5	0B ON MAR 1	1 750	1972
1973	2.00 B AT 19:37 CST ON MAR 15	1.33 B ON MAR 15	0B ON MAR 1	385	1973
1974	---	12.3 ON APR 19	0B ON MAR 1	1 910	1974
1975	4.81 AT 00:00 CST ON APR 22	2.83 ON APR 22	0B ON MAR 1	414	1975
1976	---	10.5 ON APR 6	0B ON MAR 1	2 280	1976
1977	2.20 AT 03:20 CST ON MAY 23	1.13 ON MAY 23	0 ON MAR 1	224	1977
1978	0.578 AT 12:53 CST ON APR 24	0.445 ON APR 24	0B ON MAR 1	320	1978
1979	1.60 AT 08:20 CST ON APR 19	1.29 ON APR 19	0B ON MAR 1	626	1979
1980	8.84 B AT 25:57 CST ON MAR 28	4.57 B ON MAR 28	0B ON MAR 1	1 380	1980
1981	0.744 AT 01:47 CST ON MAR 28	0.601 ON MAR 28	0B ON MAR 1	187	1981
1982	1.63 AT 10:47 CST ON APR 18	1.09 B ON APR 18	0B ON MAR 1	364	1982
1983	17.7 B AT 22:51 CST ON APR 5	8.04 B ON APR 7	0B ON MAR 1	1 780	1983
1984	7.20 AT 21:27 CST ON MAR 23	3.49 ON MAR 23	0B ON MAR 1	709	1984
1985	24.9 B AT 14:41 CST ON APR 3	10.8 B ON APR 3	0B ON MAR 1	4 550	1985
1986	2.89 B AT 02:10 CST ON MAR 28	1.34 B ON MAR 28	0B ON MAR 1	352	1986
1987	2.67 B AT 22:41 CST ON MAR 27	1.62 B ON MAR 28	0B ON MAR 1	476	1987
1988	---	0.057A ON MAR 22	0B ON MAR 1	35.3	1988
				1 280	MEAN

A - MANUAL GAUGE B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD
(SEE REFERENCE INDEX)

MUDJATIK RIVER NEAR FORCIER LAKE - STATION NO. 06BC001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1971	---	---	---	---	---	---	---	---	12.7	13.0	11.8	9.61	---	1971
1972	8.63	8.43	8.86	11.1	46.2	29.3	23.6	18.7	16.1	24.0	24.4	14.3	19.2	1972
1973	12.5	12.2	12.0	14.5	28.6	24.0	68.7	55.2	31.1	31.0	26.1	18.9	29.6	1973
1974	14.2	11.6	11.9	33.6	53.2	53.6	53.7	54.7	46.9	40.4	33.9	27.2	36.4	1974
1975	17.4	14.6	14.2	23.4	37.6	38.5	41.1	36.6	41.8	38.9	29.0	13.3	28.7	1975
1976	13.0	10.8	10.6	25.6	28.4	27.6	50.4	67.2	73.6	43.4	36.6	26.3	34.4	1976
1977	---	---	---	---	---	---	---	---	40.4	41.4	---	---	---	1977
1978	14.6	12.0	11.3	10.0	59.2	52.6	31.6	33.7	41.2	46.6	36.1	19.9	31.6	1978
1979	14.7	12.9	13.2	14.2	57.7	58.2	36.6	27.6	28.6	33.6	27.3	18.4	28.6	1979
1980	11.6	12.1	12.3	27.6	29.6	19.3	16.6	22.3	24.1	28.7	25.6	15.3	20.6	1980
1981	12.1	12.4	13.7	20.6	36.1	26.0	19.0	12.6	10.4	11.3	10.4	9.61	16.2	1981
1982	7.00	6.23	6.36	13.9	52.6	51.4	34.6	36.2	30.1	24.6	19.3	16.1	24.6	1982
1983	13.1	13.7	14.2	22.7	36.1	46.3	31.7	22.9	21.2	24.1	21.7	18.1	24.0	1983
1984	13.1	12.7	11.6	25.7	34.9	33.6	21.6	17.2	16.6	16.3	16.0	15.9	16.6	1984
1985	12.4	11.3	10.7	20.4	66.6	46.1	33.6	26.1	20.0	22.1	17.6	14.6	26.3	1985
1986	12.6	10.6	10.6	14.7	48.1	39.6	77.1	66.6	33.0	27.3	20.7	16.6	31.6	1986
1987	16.4	16.0	15.6	26.6	66.6	37.3	21.6	16.6	14.6	16.0	16.0	13.4	22.9	1987
1988	10.7	6.96	10.1	17.2	32.7	36.4	36.7	31.4	26.0	24.2	21.0	17.6	22.6	1988
MEAN	12.6	11.6	11.7	21.3	44.1	38.4	36.6	34.0	28.4	28.1	23.3	16.7	26.0	MEAN

LOCATION - LAT 58 05 30 N
LONG 107 36 30 W

DRAINAGE AREA, 6 840 km²
NATURAL FLOW

MUDJATIK RIVER NEAR FORCIER LAKE - STATION NO. 06BC001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1971	---	---	---	---	1971
1972	---	65.1B ON MAY 3	7.83B ON FEB 15	606 000	1972
1973	113 AT 14:35 CST ON JUL 18 *	113 ON JUL 18 *	11.6 B ON JAN 14	936 000	1973
1974	73.6 AT 04:16 CST ON APR 26	73.3 ON APR 26	11.6 B ON MAR 13	1 150 000	1974
1975	46.1 AT 03:51 CST ON JUL 30	46.7 ON JUL 29	12.3 B ON DEC 6	903 000	1975
1976	83.6 AT 07:44 CST ON SEP 8	83.0 ON SEP 7	10.0 B ON FEB 15	1 090 000	1976
1977	---	---	---	---	1977
1978	---	71.0E ON MAY 13	10.6 B ON MAR 13	885 000	1978
1979	---	68.0E ON MAY 26	12.4 B ON FEB 16	904 000	1979
1980	43.0 AT 12:00 CST ON APR 23	41.7 ON APR 24	10.6 B ON JAN 17	652 000	1980
1981	37.2 AT 18:56 CST ON MAY 13	37.2 ON MAY 13	7.33B ON OCT 23	510 000	1981
1982	57.6 AT 03:53 CST ON MAY 23	57.6 ON MAY 23	6.60B ON FEB 20 *	782 000	1982
1983	63.1B AT 18:30 CST ON APR 26	57.4B ON APR 25	12.1 B ON JAN 7	757 000	1983
1984	46.2 AT 00:01 CST ON APR 16	42.6 ON MAY 22	11.1 B ON MAR 23	631 000	1984
1985	83.6 AT 19:25 CST ON MAY 16	83.6 ON MAY 16	8.61B ON APR 16	799 000	1985
1986	96.7 AT 04:53 CST ON JUL 30	96.4 ON JUL 30	9.67B ON MAR 1	1 000 000	1986
1987	63.7 AT 06:46 CST ON MAY 1	63.6 ON MAY 1	9.09 ON NOV 8	722 000	1987
1988	43.4B AT 22:00 CST ON APR 26	38.0 ON APR 26	8.43B ON FEB 16	732 000	1988
				822 000	MEAN

B - ICE CONDITIONS
E - ESTIMATED

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

MULE CREEK AT GURD'S RANCH NEAR RUMSOLA - STATION NO. 11AC014

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1914	---	---	---	---	0.003	0.037	0.011	0.004	0.013	0.025	---	---	---	1914
1915	---	---	---	0.256	0.038	0.057	0.036	0.011	0.011	0.018	---	---	---	1915
1916	---	---	---	---	---	---	---	0.040	0.006	0.003	---	---	---	1916
MEAN	---	---	---	0.256	0.021	0.047	0.026	0.018	0.011	0.026	---	---	---	MEAN

LOCATION - LAT 49 25 48 N
LONG 108 14 00 W

DRAINAGE AREA, 305 km²
NATURAL FLOW

MULL EAST DITCH - STATION NO. 11AB061

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1915	---	---	0	0	0	0	0	0	0	0	---	---	0	1915
MEAN	---	---	0	0	0	0	0	0	0	0	---	---	0	MEAN

LOCATION - LAT 49 34 30 N
LONG 109 48 30 W

REGULATED

REMARKS - NO WATER WAS DIVERTED FROM 1915-23

NULL EAST DITCH - STATION NO. 11AB051

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1915	---	0 ON MAR 1 *	0 ON MAR 1 *	0	1915
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		0	MEAN

NULL WEST DITCH - STATION NO. 11AB052

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1915	---	---	0	0	0	0	0	0	0	0	---	---	0	1915
MEAN	---	---	0	0	0	0	0	0	0	0	---	---	0	MEAN

LOCATION - LAT 49 34 30 N
LONG 109 49 00 W
REGULATED

REMARKS - NO WATER WAS DIVERTED FROM 1915-23

NULL WEST DITCH - STATION NO. 11AB052

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1915	---	0 ON MAR 1 *	0 ON MAR 1 *	0	1915
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		0	MEAN

MULLNER CREEK NEAR VERNDALE - STATION NO. 05KA005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1918	---	---	---	---	0.038	0.008	0.004	0	0	---	---	---	---	1918
1921	---	---	---	---	0.072	0.118	0.063	0.048	0.028	0.007	---	---	---	1921
1922	---	---	0	0.030	0.078	0.077	0.055	0.057	0.024	0.002	---	---	0.040	1922
1923	---	---	0	0.004	0	0.008	0.007	0.003	0.002	0.001	---	---	0.002	1923
1924	---	---	0	0.018	0.013	0.008	0	0	0	0	---	---	0.005	1924
1925	---	---	0.002	0.008	0	0.004	0.001	0	0	0	---	---	0.002	1925
1926	---	---	0.002	0	0.582	---	---	---	---	---	---	---	---	1926
MEAN	---	---	0.001	0.012	0.026	0.037	0.025	0.018	0.009	0.003	---	---	0.013	MEAN

LOCATION - LAT 53 34 00 N
LONG 105 07 00 W
DRAINAGE AREA, 868 km^2
NATURAL FLOW

MULLNER CREEK NEAR VERNDALE - STATION NO. 05KA005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1918	---	---	00 ON APR 6 *	---	1918
1921	---	---			
1922	---	0.113 ON MAY 28 *	0 ON OCT 15	---	1921
1923	---	0.023 ON APR 17	00 ON MAR 1	847	1922
1924	---	0.051 ON APR 18	00 ON MAR 1	71.8	1923
			00 ON MAR 1	104	1924
1925	---	0.0518 ON APR 4			
1926	---	---	00 ON MAR 1	41.3	1925
			00 ON MAR 1	---	1926
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		266	MEAN

NASHLYN CANAL NEAR CONSUL - STATION NO. 11AB018

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1911	---	---	---	---	---	---	---	---	---	---	---	---	---	1911
1912	---	---	0	0	0	0	0.028	0.022	0	0	---	---	0.008	1912
1914	---	---	0	0.085	0.275	0.128	0	0	0	0	---	---	0.057	1914
1915	---	---	0	0.071	0.103	0.058	0	0	0	0	---	---	0.030	1915
1916	---	---	0	0	0	0.020	0.054	0	0	0	---	---	0.008	1916
1917	---	---	0	0	0	0.056	0.138	0	0	0	---	---	0.028	1917
1918	---	---	0	0	0.003	0.162	0.032	0	0	0	---	---	0.024	1918
1919	---	---	0	0.013	0.134	0.132	0	0	0	0	---	---	0.038	1919
1920	---	---	0	0.068	0.233	0.188	0.030	0	0	0	---	---	0.065	1920
1921	---	---	0	0.127	0.201	0.380	0.032	0	0	0	---	---	0.082	1921
1922	---	---	0	0	0.014	0.155	0.008	0	0	0	---	---	0.022	1922
1923	---	---	0	0	0.208	0.075	0.001	0	0	0	---	---	0.038	1923
1924	---	---	0	0.032	0.178	0.111	0.007	0	0	0	---	---	0.041	1924
1925	---	---	0	0.057	0.180	0.094	0	0	0	0	---	---	0.038	1925
1926	---	---	0	0.048	0.139	0.088	0	0	0	0	---	---	0.035	1926
1927	---	---	0	0	0.043	0.002	0	0	0	0	---	---	0.008	1927
1928	---	---	0	0.003	0.103	0.111	0.004	0	0	0	---	---	0.027	1928
1929	---	---	0	0.008	0.074	0.087	0	0	0	0	---	---	0.022	1929
1930	---	---	0	0.002	0.147	0.151	0.013	0	0	0	---	---	0.039	1930
1931	---	---	0	0.024	0.048	0.024	0	0	0	0	---	---	0.012	1931
1942	---	---	0.105	0.447	0.380	0	0	0	0	0	---	---	0.114	1942
1944	---	---	0	0.281	0.138	0.126	0	0	0	0	---	---	0.068	1944
1946	---	---	0.204	0.158	0.158	0.093	0	0	0	0	---	---	0.078	1946
1947	---	---	0	0.282	0.081	0.187	0	0	0	0	---	---	0.070	1947
1948	---	---	0	0.287	0.351	0.218	0.048	0	0	0	---	---	0.113	1948
1949	---	---	0	0.181	0.244	0.180	0.108	0	0	0	---	---	0.080	1949
1950	---	---	0	0.212	0.256	0.154	0.083	0.083	0	0	---	---	0.088	1950
1951	---	---	0	0.126	0.510	0.028	0.012	0	0	0	---	---	0.085	1951
1952	---	---	0	0.023	0	0.080	0.082	0	0	0	---	---	0.134	1952
1953	---	---	0.018	0.448	0.288	0.026	0	0.001	0.054	0	---	---	0.104	1953
1954	---	---	0	0.243	0.204	0.011	0.026	0.048	0	0	---	---	0.065	1954
1955	---	---	0.008	0.813	0.078	0.002	0.005	0.002	0	0	---	---	0.087	1955
1956	---	---	0	0.177	0.388	0.227	0.018	0	0	0	0.013	---	0.066	1956
1957	---	---	0.023	0.377	0.413	0.251	0.002	0.182	0.083	0	---	---	0.167	1957
1958	---	---	0.010	0.408	0.248	0.148	0.023	0.098	0.003	0.010	---	---	0.112	1958
1959	---	---	0.003	0.427	0.405	0.403	0.012	0	0	0	---	---	0.155	1959
1960	---	---	0.233	0.702	0.038	0.286	0.017	0.078	0	0	---	---	0.158	1960
1961	---	---	0.140	0.333	0.280	0	0	0	0	0.008	---	---	0.082	1961
1962	---	---	0.178	0.434	0	0.131	0	0.001	0	0.018	---	---	0.084	1962
1963	---	---	0.288	0.427	0.111	0	0.081	0	0	0	---	---	0.111	1963
1964	---	---	0.003	0.888	0.188	0.088	0	0	0	0.026	---	---	0.116	1964
1965	---	---	0	0.500	0.138	0	0.101	0	0	0	---	---	0.082	1965
1966	---	---	0.133	0.265	0.188	0.058	0.082	0.082	0	0	---	---	0.093	1966
1967	---	---	0	0.378	0.300	0.133	0.206	0.026	0.026	0	---	---	0.122	1967
1968	---	---	0.164	0.884	0.214	0	0.082	0	0.018	0	---	---	0.122	1968
1969	---	---	0	0.382	0.171	0.029	0.141	0.033	0	0.030	---	---	0.098	1969
1970	---	---	0	0.326	0.485	0.093	0.187	0	0.020	0.023	---	---	0.136	1970
1971	---	---	0	0.366	0.484	0	0.214	0	0	0	---	---	0.117	1971
1972	---	---	0.287	0.376	0.188	0	0.187	0	0	0	---	---	0.122	1972
1973	---	---	0.302	0.360	0.111	0	0.181	0.001	0	0	---	---	0.118	1973
1974	---	---	0	0.898	0.238	0.184	0.131	0.008	0	0	---	---	0.127	1974
1975	---	---	0	0.272	0.380	0.148	0.188	0.001	0	0	---	---	0.120	1975
1976	---	---	0.184	0.387	0.188	0	0.215	0	0	0	---	---	0.118	1976
1977	---	---	0.102	0.278	0.313	0.037	0.210	0	0	0	---	---	0.120	1977
1978	---	---	0	0.576	0.033	0.130	0	0	0	0	---	---	0.081	1978
1979	---	---	0.147	0.857	0.248	0.001	0.181	0.021	0	0	---	---	0.187	1979
1980	---	---	0.058	0.675	0.282	0.002	0.133	0	0	0	---	---	0.144	1980
1981	---	---	0.318	0.217	0.282	0.001	0	0	0	0	---	---	0.111	1981
1982	---	---	0	0.280	0.398	0	0	0	0	0	---	---	0.087	1982
1983	---	---	0.094	0.802	0.132	0	0	0	0	0	---	---	0.097	1983
1984	---	---	0	0.388	0.281	0.018	0	0	0	0	---	---	0.083	1984
1985	---	---	0	0.874	0.238	0	0	0	0	0	---	---	0.109	1985
1986	---	---	0.788	0.102	0.141	0.057	0	0	0.084	0	---	---	0.142	1986
1987	---	---	0.738	0.181	0.227	0	0	0	0	0	---	---	0.144	1987
1988	---	---	0.132	0.731	0.264	0	0	0	0	0	---	---	0.140	1988
MEAN	---	---	0.071	0.283	0.187	0.068	0.050	0.010	0.004	0.002	0.013	---	0.068	MEAN

LOCATION - LAT 49 13 57 N
LONG 100 33 27 W

REGULATED

INTERNATIONAL GAUGING STATION

NASHLYN CANAL NEAR CONSUL - STATION NO. 11AB018

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1911	---	---			
1912	---	0.098 ON AUG 3	0 ON AUG 5 *	---	1911
			0 ON MAR 1	128	1912
1914	---	0.323 ON MAY 9	0 ON MAR 1	1 210	1914
1915	---	0.263 ON MAY 14	0 ON MAR 1	934	1915
1916	---	0.173 ON JUN 28	0 ON MAR 1	196	1916
1917	---	0.300 ON JUN 20	0 ON MAR 1	597	1917
1918	---	0.244 ON JUN 13	0 ON MAR 1	513	1918
1919	---	0.227 ON JUN 13	0 ON MAR 1	733	1919
1920	---	0.425 ON JUN 9	0 ON MAR 1	1 380	1920
1921	---	0.524 ON JUN 21	0 ON MAR 1	1 940	1921
1922	---	0.248 ON JUN 16	0 ON MAR 1	483	1922
1923	---	0.382 ON MAY 17	0 ON MAR 1	747	1923
1924	---	0.218 ON JUN 13	0 ON MAR 1	458	1924
1925	---	0.212 ON APR 28	0 ON MAR 1	622	1925
1926	---	0.1388 ON MAY 1	0 ON MAR 1	745	1926
1927	---	0.331 ON MAY 23	0 ON MAR 1	118	1927
1928	---	0.224 ON MAY 17	0 ON MAR 1	582	1928
1929	---	0.1188 ON JUN 8	0 ON MAR 1	484	1929
1930	---	0.228 ON JUN 1	0 ON MAR 1	626	1930
1931	---	0.0482 ON MAY 1	0 ON MAR 1	245	1931
1942	---	0.856 ON MAY 12	0 ON MAR 1	2 490	1942
1944	---	0.361 ON APR 20	0 ON MAR 1	1 440	1944
1946	---	0.2048 ON MAR 1	0 ON JUL 1	1 830	1946
1947	---	0.2928 ON APR 1	0 ON MAR 1	1 480	1947
1948	---	0.3518 ON MAY 1	0 ON MAR 1	2 400	1948
1949	---	0.2448 ON MAY 1	0 ON MAR 1	1 900	1949
1950	---	0.829 ON APR 24	0 ON MAR 1	2 030	1950
1951	---	1.23 ON MAY 4	0 ON MAR 1	1 810	1951
1952	---	2.41 ON APR 16 *	0B ON MAR 1	2 840	1952
1953	---	0.708 ON APR 30	0B ON MAR 1	2 200	1953
1954	---	0.887 ON MAY 9	0 ON MAR 1	1 490	1954
1955	---	1.21 ON APR 15	0B ON MAR 1	1 840	1955
1956	---	0.632 ON MAY 13	0 ON MAR 1	2 070	1956
1957	---	0.836 ON MAY 3	0B ON MAR 1	3 540	1957
1958	---	0.895 ON APR 3	0 ON MAR 1	2 370	1958
1959	---	0.966 ON APR 19	0B ON MAR 1	3 280	1959
1960	---	0.863 ON APR 6	0B ON MAR 1	3 580	1960
1961	---	0.569 ON MAY 5	0 ON MAR 1	1 850	1961
1962	---	1.28 ON MAR 27	0B ON MAR 1	1 890	1962
1963	---	1.17 ON APR 5	0 ON APR 25	3 280	1963
1964	---	1.23 ON APR 11	0 ON MAR 1	3 450	1964
1965	---	1.24 ON APR 19	0B ON MAR 1	1 840	1965
1966	---	0.868 ON MAR 30	0B ON MAR 1	1 980	1966
1967	---	1.20 ON MAY 5	0B ON MAR 1	2 620	1967
1968	---	0.841 ON APR 14	0 ON MAR 1	2 620	1968
1969	---	0.880 ON APR 11	0B ON MAR 1	2 070	1969
1970	---	1.06 ON JUL 24	0 ON MAR 1	2 820	1970
1971	---	0.838 ON APR 28	0 ON MAR 1	2 480	1971
1972	---	0.8208 ON MAR 27	0 ON MAR 1	2 590	1972
1973	---	0.7788 ON MAR 29	0B ON MAR 1	2 530	1973
1974	---	0.773 ON APR 30	0B ON MAR 1	2 880	1974
1975	---	0.888 ON MAY 7	0B ON MAR 1	2 530	1975
1976	---	0.881 ON APR 4	0 ON MAR 1	2 530	1976
1977	---	0.872 ON MAY 17	0 ON MAR 1	2 780	1977
1978	---	1.00 B ON APR 11	0B ON MAR 1	1 930	1978
1979	---	0.969 ON MAY 29	0B ON MAR 1	3 320	1979
1980	---	1.07 ON APR 23	0B ON MAR 1	3 050	1980
1981	---	0.838 ON APR 29	0 ON MAR 1	2 350	1981
1982	---	1.40 ON APR 23	0B ON MAR 1	2 040	1982
1983	---	1.12 ON APR 8	0 ON MAR 1	2 060	1983
1984	---	0.826 ON APR 9	0 ON MAR 1	1 780	1984
1985	---	0.977 ON MAY 16	0 ON MAR 1	2 130	1985
1986	---	1.34 ON MAR 7	0 ON APR 15	3 000	1986
1987	---	1.33 B ON MAR 7	0 ON MAR 1	3 080	1987
1988	---	1.19 ON APR 12	0 ON MAR 1	2 950	1988
				1 880	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

NEEDHAM DITCH NEAR PIAPOT - STATION NO. 05NA017

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1911	---	---	---	---	---	---	---	---	---	---	---	---	---	1911
1912	---	---	---	---	---	---	---	---	---	---	---	---	---	1912
1916	---	---	---	---	---	---	0.049	---	---	---	---	---	---	1916
1917	---	---	---	---	---	---	---	---	---	---	---	---	---	1917
1918	---	---	---	---	---	---	---	---	---	---	---	---	---	1918
1919	---	---	---	---	---	---	---	---	---	---	---	---	---	1919
1920	---	---	---	---	---	---	---	---	---	---	---	---	---	1920
MEAN	---	---	---	---	---	---	0.049	---	---	---	---	---	---	MEAN

LOCATION - LAT 49 56 54 N
LONG 109 08 17 W
REGULATED

NEEDHAM DITCH NEAR PIAPOT - STATION NO. 05HA017

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1911	---	---	OR ON JUL 20 *	---	1911
1912	---	---	0 ON JUN 19	---	1912
1916	---	---	0 ON JUL 1	---	1916
1917	---	---	0 ON MAY 19	---	1917
1918	---	---	OR ON MAY 2	---	1918
1919	---	---	0 ON APR 24	---	1919
1920	---	---	0 ON JUN 18	---	1920
				---	MEAN

* - EXTREME RECORDED FOR THE PERIOD OF RECORD
R - REVISED SINCE JAN 01 1987

NEWTON LAKE MAIN CANAL - STATION NO. 11AC084

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1937	---	---	0	0.078	0.843	0.242	0.005	0	0	0	---	---	0.095	1937
1938	---	---	0.038	0.285	0.888	0.417	0.068	0.128	0.089	0.128	0.038	---	0.200	1938
1939	---	---	0	0.017	0.318	0.232	0.533	0.420	0.083	0.070	---	---	0.211	1939
1940	---	---	0	0	0.988	0.097	1.20	0.283	0.192	0.882	---	---	0.318	1940
1941	---	---	0	0	0.261	0.581	0.709	0.226	0.187	0.180	---	---	0.268	1941
1942	---	---	0	0.044	0.216	0.878	0.722	0.933	0.148	0.088	---	---	0.328	1942
1943	---	---	0	0.034	0.378	1.11	0.718	0.338	0.155	0.076	---	---	0.350	1943
1944	---	---	0	0.008	0.428	0.448	0.844	0.493	0.358	0.282	---	---	0.331	1944
1945	---	---	0	0.007	0.324	0.887	0.818	0.568	0.181	0.007	---	---	0.358	1945
1946	---	---	0	0.173	0.977	0.653	0.778	0.258	0.012	0	---	---	0.382	1946
1947	---	---	0	0.002	0.886	0.340	1.22	0.314	0	0	---	---	0.334	1947
1948	---	---	0	0	0.443	0.911	0.833	0.884	0.278	0.026	---	---	0.387	1948
1949	---	---	0	0.149	1.18	0.801	0.228	0.082	0.026	0.018	---	---	0.308	1949
1950	---	---	0	0.038	0.238	1.02	1.09	0.452	0.073	0.016	---	---	0.388	1950
1951	---	---	0	0	0.323	1.09	1.18	0.808	0	0.026	---	---	0.401	1951
1952	---	---	0	0	0	0.687	0.801	0.182	0.090	0	---	---	0.232	1952
1953	---	---	0.081	0.003	0.312	0.108	0.804	0.488	0.101	0.081	---	---	0.236	1953
1954	---	---	0	0	0.187	0.531	1.13	0.387	0.018	0.008	---	---	0.264	1954
1955	---	---	0.003	0.023	0.008	1.21	0.200	0.085	0.114	0.078	---	---	0.310	1955
1956	---	---	0	0	0.358	1.17	0.804	0.483	0.044	0.082	---	---	0.340	1956
1957	---	---	0	0	0.484	1.18	0.578	0.480	0.108	0	---	---	0.401	1957
1958	---	---	0	0	1.18	0.981	0.758	0.809	0.028	0	---	---	0.488	1958
1959	---	---	0	0	0.828	1.05	0.863	0.763	0.001	0	---	---	0.427	1959
1960	---	---	0	0	0.148	1.59	0.781	0.652	0.018	0	---	---	0.384	1960
1961	---	---	0	0	0.467	1.28	0.299	0.067	0	0	---	---	0.288	1961
1962	---	---	0	0	1.18	0.533	0.435	0.308	0.022	0	---	---	0.308	1962
1963	---	---	0	0	0.058	1.60	0.830	0.884	0	0	---	---	0.404	1963
1964	---	---	0	0	0.477	1.34	0.239	0	0	0	---	---	0.288	1964
1965	---	---	0	0	0.433	0.685	0.552	0.898	0.037	0	---	---	0.348	1965
1966	---	---	0	0	0.731	1.14	0.612	1.01	0	0	---	---	0.483	1966
1967	---	---	0	0	0	1.38	1.67	0.411	0	0	---	---	0.421	1967
1968	---	---	0	0	1.18	0.815	1.84	0.358	0	0	---	---	0.488	1968
1969	---	---	0	0	0.077	1.52	0	1.89	0.122	0	---	---	0.424	1969
1970	---	---	0	0	0.705	0.630	0.558	1.30	0	0	---	---	0.426	1970
1971	---	---	0	0	0.810	1.14	1.05	0.803	0	0	---	---	0.481	1971
1972	---	---	0	0	0.851	1.37	1.42	0.393	0	0	---	---	0.484	1972
1973	---	---	0	0	1.30	0.281	1.31	0.341	0	0	---	---	0.420	1973
1974	---	---	0	0	0	1.87	1.14	0.588	0	0	---	---	0.448	1974
1975	---	---	0	0	0.078	1.28	1.22	0.188	0	0	---	---	0.348	1975
1976	---	---	0	0	1.08	0.881	0.877	0.525	0	0	---	---	0.422	1976
1977	---	---	0	0	1.48	0.371	0.588	0.777	0	0	---	---	0.418	1977
1978	---	---	0	0	0.861	0.882	0.388	1.08	0	0	---	---	0.388	1978
1979	---	---	0	0	0.574	1.03	1.01	0.484	0	0	---	---	0.385	1979
1980	---	---	0	0	1.80	0.038	1.48	0.197	0	0	---	---	R.442	1980
1981	---	---	R	0.208	1.88	0.008	0	0	0	0	---	---	R.228	1981
1982	---	---	R	0	0.847	0.980	0.548	0.808	0	0	---	---	R.408	1982
1983	---	---	0.007	0.017	0.787	1.15	1.06	0.423	0.003	0	---	---	R.427	1983
1984	---	---	R	0.388	1.34	0	0	0	0	0	---	---	R.217	1984
1985	---	---	0	0	1.41	0.587	0.248	0	0	0	---	---	R.281	1985
1986	---	---	R	0	0.234	1.57	1.14	0.071	0	0	---	---	R.375	1986
1987	---	---	0	0	1.42	0.108	1.42	0.091	0.008	0	---	---	R.380	1987
1988	---	---	R	0	1.18	0	0	0	0	0	---	---	R.180	1988
MEAN	---	---	0.003	0.028	0.838	0.832	0.783	0.438	0.047	0.033	0.038	---	0.347	MEAN

LOCATION - LAT 49 18 18 N
LONG 107 48 08 W
REGULATED SINCE 1937

INTERNATIONAL GAUGING STATION

NEWTON LAKE MAIN CANAL - STATION NO. 11AC084

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1937	---	1.80 ON MAY 5	0 ON MAR 1 *	2 030	1937
1938	---	0.824 ON MAY 30	0 ON MAR 1	4 230	1938
1939	---	1.17 ON JUL 18	0 ON MAR 1	4 460	1939
1940	---	2.10 ON JUL 18	0 ON MAR 1	5 735	1940
1941	---	1.04 ON JUN 28	0 ON MAR 1	5 830	1941
1942	---	1.47 ON JUL 27	0 ON MAR 1	5 840	1942
1943	---	1.88 ON JUN 1	0 ON MAR 1	7 410	1943
1944	---	1.84 A ON MAY 28	0 ON MAR 1	7 000	1944
1945	---	1.70 ON MAY 31	0 ON MAR 1	7 540	1945
1946	---	1.37 ON APR 30	0 ON MAR 1	5 070	1946
1947	---	2.15 ON MAY 20	0 ON MAR 1	5 870	1947
1948	---	2.21 ON JUN 1	0 ON MAR 1	5 400	1948
1949	---	1.80 ON MAY 7	0 ON MAR 1	5 520	1949
1950	---	2.07 ON JUN 5	0 ON MAR 1	7 740	1950
1951	---	2.55 ON JUN 2	0 ON MAR 1	5 480	1951
1952	---	2.52 ON JUN 27	0 ON MAR 1	4 910	1952
1953	---	1.75 ON MAR 28	0 ON MAR 1	5 000	1953
1954	---	1.67 ON JUL 21	0 ON MAR 1	5 010	1954
1955	---	2.24 ON JUN 18	0 ON MAR 1	4 430	1955
1956	---	1.67 ON JUN 10	0 ON MAR 1	7 200	1956
1957	---	1.93 ON JUN 7	0 ON MAR 1	5 480	1957
1958	---	2.32 ON MAY 23	0 ON MAR 1	10 300	1958
1959	---	1.78 ON JUN 20	0 ON MAR 1	5 040	1959
1960	---	2.04 ON JUN 7	0 ON MAR 1	5 120	1960
1961	---	2.10 ON MAY 31	0 ON MAR 1	5 460	1961
1962	---	2.15 ON JUL 13	0 ON MAR 1	5 550	1962
1963	---	2.19 ON JUN 17	0 ON MAR 1	5 550	1963
1964	---	2.35 ON JUN 5	0 ON MAR 1	5 400	1964
1965	---	1.87 ON JUN 9	0 ON MAR 1	7 380	1965
1966	---	2.80 ON AUG 1	0 ON MAR 1	5 790	1966
1967	---	2.07 ON JUN 7	0 ON MAR 1	5 800	1967
1968	---	2.55 ON MAY 24	0 ON MAR 1	10 300	1968
1969	---	2.55 ON JUN 5	0 ON MAR 1	5 550	1969
1970	---	2.70 ON MAY 31	0 ON MAR 1	5 550	1970
1971	---	2.53 ON JUN 2	0 ON MAR 1	5 540	1971
1972	---	2.53 ON JUN 1	0 ON MAR 1	5 520	1972
1973	---	2.75 ON MAY 26	0 ON MAR 1	5 590	1973
1974	---	3.37 ON JUN 15	0 ON MAR 1	5 430	1974
1975	---	3.11 ON JUN 7	0 ON MAR 1	7 300	1975
1976	---	3.45 ON MAY 28 *	0 ON MAR 1	5 930	1976
1977	---	2.02 ON MAY 14	0 ON MAR 1	5 540	1977
1978	---	2.55 ON JUN 4	0 ON MAR 1	7 750	1978
1979	---	3.25 ON JUL 27	0 ON MAR 1	5 150	1979
1980	---	3.08 ON MAY 17	0 ON MAR 1	5 350	1980
1981	---	2.53 ON MAY 9	0 ON MAR 1	5 000	1981
1982	---	3.12 ON MAY 27	0 ON MAR 1	5 850	1982
1983	---	2.85 ON MAY 26	0 ON AUG 11	9 030	1983
1984	---	2.55 ON APR 29	0 ON MAR 1	4 590	1984
1985	---	2.82 ON MAY 23	0 ON MAR 1	5 550	1985
1986	---	3.04 ON JUN 3	0 ON MAR 1	7 540	1986
1987	---	3.15 ON JUL 9	0 ON MAR 1	5 050	1987
1988	---	2.38 ON MAY 10	0 ON MAR 1	3 170	1988
				7 350	MEAN

A - MANUAL GAUGE
(SEE REFERENCE INDEX)

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

NORBURY CREEK NEAR SPIRITWOOD - STATION NO. 05AE001

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1984	---	---	---	0.075	---	---	---	---	---	---	---	---	---	1984
1985	---	---	---	1.62	0.622	---	---	---	---	---	---	---	---	1985
1986	---	---	0.229	0.115	---	---	---	---	---	---	---	---	---	1986
1987	---	---	---	3.04	0.718	---	---	---	---	---	---	---	---	1987
1978	---	---	---	1.88	0.877	---	---	---	---	---	---	---	---	1978
1974	---	---	---	3.67	2.32	---	---	---	---	---	---	---	---	1974
1975	---	---	0	0.411	0.908	0.449	0.028	0	0	0	---	---	0.224	1975
1976	---	---	0	0.130	0.027	0	0	0	0	0	---	---	0.018	1976
1977	---	---	0	0	0	0	0	0	0	0	---	---	0	1977
1978	---	---	0	0.738	0.202	0.015	0	0	0	0	---	---	0.117	1978
1979	---	---	0	0.878	2.31	0.148	0.001	0	0	0	---	---	0.417	1979
1980	---	---	0	0.278	0.094	0	0	0	0	0	---	---	0.034	1980
1981	---	---	0.020	0.818	0.178	0	0	0	0	0	---	---	0.128	1981
1982	---	---	0	0.384	0.078	0.005	0	0	0	0	---	---	0.068	1982
1983	---	---	0	1.00	0.488	0.008	0.008	0	0	0	---	---	0.182	1983
1984	---	---	0	0.078	0.134	1.12	0.038	0.002	0	0.004	---	---	0.188	1984
1985	---	---	0	5.38	3.08	0.055	0	0	0	0	---	---	1.08	1985
1986	---	---	0.117	0.871	0.054	0.002	0	0	0	0	---	---	0.082	1986
1987	---	---	0	0.184	0.038	0	0	0	0	0	---	---	0.023	1987
1988	---	---	0	0.873	0.023	0.004	0	0	0	0	---	---	0.074	1988
MEAN	---	---	0.024	1.08	0.858	0.128	0.005	0	0	0	---	---	0.185	MEAN

LOCATION - LAT 53 7' 17" N DRAINAGE AREA, 432 km^2
LONG 107 24 01 W NATURAL FLOW

NORBURY CREEK NEAR SPIRITWOOD - STATION NO. 05AE001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1964	---	---	---	---	1964
1965	---	---	---	---	1965
1966	---	1.27 ON MAR 26	0B ON MAR 1 *	---	1966
1969	---	---	---	---	1969
1970	---	---	---	---	1970
1974	---	---	---	---	1974
1975	---	2.04 ON MAY 2	0B ON MAR 1	4 730	1975
1976	---	0.406 ON APR 9	0B ON MAR 1	362	1976
1977	---	0 B ON MAR 1	0B ON MAR 1	0	1977
1978	---	1.99 B ON APR 12	0B ON MAR 1	2 490	1978
1979	---	7.70 E ON APR 26	0B ON MAR 1	8 630	1979
1980	1.78 B AT 15:28 CST ON APR 18	1.65 B ON APR 18	0B ON MAR 1	728	1980
1981	1.90 AT 21:18 CST ON APR 20	1.68 ON APR 20	0B ON MAR 1	2 650	1981
1982	1.17 B AT 15:28 CST ON APR 20	1.14 B ON APR 20	0B ON MAR 1	1 230	1982
1983	5.85 B AT 00:17 CST ON APR 21	4.87 B ON APR 20	0B ON MAR 1	3 880	1983
1984	3.80 AT 05:26 CST ON JUN 13	3.74 ON JUN 13	0B ON MAR 1	3 880	1984
1985	14.1 AT 00:58 CST ON APR 24 *	13.6 ON APR 23 *	0B ON MAR 1	22 400	1985
1986	2.07 B AT 21:02 CST ON APR 1	1.68 B ON APR 2	0B ON MAR 1	1 840	1986
1987	0.8208 AT 10:50 CST ON APR 6	0.7848 ON APR 6	0B ON MAR 1	484	1987
1988	1.16 B AT 06:23 CST ON APR 8	1.09 ON APR 26	0B ON MAR 1	1 580	1988
				3 920	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

NORTH SASKATCHEWAN RIVER AT PRINCE ALBERT - STATION NO. 05GG001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1910	---	---	---	---	---	---	435	384	387	---	---	---	---	1910
1911	---	---	---	---	---	420	735	727	488	219	102	73.6	---	1911
1912	42.8	44.8	44.7	231	319	421	1 000	851	831	284	138	85.6	341	1912
1913	47.1	44.8	56.2	483	344	540	742	711	413	201	85.7	51.8	310	1913
1914	34.8	33.7	36.7	123	376	880	834	412	282	220	108	71.8	285	1914
1915	49.8	46.9	48.3	256	198	708	1 710	788	426	217	110	83.4	388	1915
1916	40.3	31.7	36.8	210	286	883	932	710	652	327	174	88.1	367	1916
1917	52.3	57.0	60.4	268	747	885	635	406	287	198	114	60.8	308	1917
1918	53.2	47.3	48.0	268	218	447	478	352	231	180	78.0	38.7	202	1918
1919	34.0	34.8	24.7	188	184	218	336	424	319	128	86.7	46.7	181	1919
1920	41.1	35.5	38.6	107	884	883	828	602	282	150	83.1	42.6	306	1920
1921	27.0	31.7	27.4	402	437	484	478	408	208	100	63.0	38.6	228	1921
1922	24.5	22.1	28.7	148	318	413	403	447	318	161	75.0	21.7	188	1922
1923	25.2	23.8	23.8	88.3	178	746	828	582	384	197	85.8	77.4	272	1923
1924	28.8	43.1	48.4	110	337	373	463	441	325	148	83.1	83.2	203	1924
1925	42.8	38.8	36.0	508	308	478	481	842	609	293	112	71.8	295	1925
1926	48.5	34.8	51.3	283	204	281	488	328	732	338	155	74.3	282	1926
1927	42.8	41.6	82.0	288	831	801	827	618	400	242	107	88.1	329	1927
1928	77.4	48.8	88.8	282	288	747	970	808	285	132	83.8	45.7	281	1928
1929	34.1	27.5	38.2	118	228	831	284	302	198	118	88.4	37.5	182	1929
1930	33.8	35.7	43.8	181	184	410	504	384	251	124	80.4	38.4	188	1930
1931	27.6	28.3	31.8	112	188	338	881	434	301	142	74.1	81.1	186	1931
1932	42.6	34.1	30.0	278	408	818	487	401	321	148	87.0	48.1	288	1932
1933	48.5	38.5	31.8	142	807	494	487	353	294	110	82.7	41.5	218	1933
1934	38.1	42.7	88.7	224	288	482	338	302	218	128	88.8	42.8	182	1934
1935	30.7	23.8	30.8	130	255	487	808	881	270	138	81.0	88.8	252	1935
1936	35.8	30.8	28.8	378	883	827	388	351	242	118	88.3	40.3	230	1936
1937	18.7	18.1	24.8	122	153	307	488	282	200	153	83.8	22.2	182	1937
1938	27.8	23.8	38.4	188	124	421	838	401	358	191	78.1	48.1	211	1938
1939	38.8	34.0	40.1	188	144	304	802	348	228	127	82.4	48.7	173	1939
1940	28.8	27.1	27.2	243	388	321	381	310	288	142	88.1	38.8	186	1940
1941	27.1	28.5	28.2	124	82.8	201	387	308	231	138	75.8	20.8	138	1941
1942	20.7	23.7	28.4	128	128	508	728	828	383	188	81.8	82.0	232	1942
1943	84.5	43.2	43.8	477	280	388	881	428	248	181	78.7	32.0	242	1943
1944	24.1	28.3	33.3	171	181	1 080	---	---	---	182	84.8	31.3	---	1944
1945	30.3	38.4	38.7	80.7	173	402	410	333	288	187	72.7	80.1	178	1945
1946	48.5	43.8	82.7	203	180	826	882	320	238	128	88.0	41.3	208	1946
1947	37.8	38.2	34.1	281	325	457	808	388	278	191	88.5	70.7	224	1947
1948	80.8	41.8	39.8	188	1 810	948	872	883	304	151	82.8	38.2	378	1948
1949	40.0	33.0	34.4	188	153	284	303	388	211	105	47.8	28.0	148	1949
1950	18.8	28.8	27.4	140	182	428	808	378	234	130	81.8	33.0	188	1950
1951	33.3	28.4	28.0	388	838	410	880	408	328	182	77.8	80.3	284	1951
1952	44.1	38.7	37.0	488	284	711	824	802	288	178	88.8	40.8	288	1952
1953	28.8	31.8	38.2	113	371	710	874	821	408	158	88.7	43.8	287	1953
1954	34.1	37.3	38.8	80.8	488	1 110	744	878	1 110	283	187	88.7	411	1954
1955	84.8	80.0	43.7	412	880	826	881	338	218	122	48.3	31.8	287	1955
1956	33.8	31.8	28.1	491	801	828	488	383	288	182	80.2	38.7	283	1956
1957	38.3	28.8	27.1	222	428	418	308	283	238	188	103	83.8	183	1957
1958	38.8	40.1	38.8	348	384	871	885	382	287	133	81.7	28.1	280	1958
1959	28.1	32.2	30.4	188	140	488	827	384	230	182	88.2	82.8	204	1959
1960	28.7	38.8	37.8	282	217	348	873	387	181	143	71.0	30.8	208	1960
1961	38.0	33.0	31.0	183	180	840	383	813	251	118	81.7	28.8	193	1961
1962	48.8	48.4	83.0	223	281	431	838	481	240	121	103	87.8	217	1962
1963	47.1	88.8	78.0	802	381	482	840	408	258	143	87.8	48.8	280	1963
1964	87.8	82.8	82.2	178	358	817	823	271	208	271	104	78.8	241	1964
1965	81.2	81.7	88.3	488	488	848	1 330	888	328	231	128	88.8	408	1965
1966	88.2	87.0	81.8	288	288	383	801	888	300	198	88.8	73.8	288	1966
1967	74.8	88.1	81.0	88.8	381	821	887	327	228	148	73.1	42.4	228	1967
1968	48.1	78.0	148	241	148	348	405	481	281	184	87.8	87.8	304	1968
1969	70.0	78.8	87.8	441	343	388	737	488	288	183	72.8	88.8	287	1969
1970	82.8	88.8	78.8	327	280	478	888	334	187	83.1	81.7	87.2	218	1970
1971	84.4	81.8	88.8	380	407	801	874	831	213	127	87.1	83.8	282	1971
1972	81.0	88.8	80.8	388	321	884	884	407	181	173	82.2	82.8	288	1972
1973	88.0	81.8	112	348	408	388	388	281	218	184	111	103	227	1973
1974	107	138	127	788	1 140	808	848	282	280	218	147	123	372	1974
1975	121	120	120	230	442	288	282	148	137	101	73.7R	88.1	174R	1975
1976	114	122	122	288	217	212	218	283	217	173	141	103	181	1976
1977	108	108	101	225	288	437	270	288	288	214	120	107	208	1977
1978	123	124	112	318	274	823	828	270	308	220	171	144	281	1978
1979	87.7	123	181	314	828	278	273	210	188	121	112	73.8	204	1979
1980	80.4	117	138	418	221	707	888	280	244	217	174	128	274	1980
1981	122	108	117	287	384	400	328	813	288	182	177	150	280	1981
1982	104	108	83.0	218	438	283	748	308	208	218	140	128	251	1982
1983	143	113	118	338	384	228	438	190	148	130	124	88.8	203	1983
1984	102	118	111	338	203	248	208	138	183	188	148	130	178	1984
1985	85.4	118	137	883	345	278	184	180	237	188	124	118	218	1985
1986	118	88.8	148	488	328	408	807	428	281	328	171	187	308	1986
1987	138	142	138	422	248	218	218	209	187	147	118	104	188	1987
1988	82.8	77.7	88.2	237	188	188	241	188	177	184	148	107	188	1988
MEAN	88.8	88.1	80.7	278	348	488	887	413	282	178	88.2R	84.7	241R	MEAN

LOCATION - LAT 53 12 10 N LONG 105 48 08 W DRAINAGE AREA, 121 000 km² REGULATED SINCE 1962

R - REVISED SINCE JAN 01 1987

NORTH SASKATCHEWAN RIVER AT PRINCE ALBERT - STATION NO. 05GG001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1910	---	---	---	---	1910
1911	---	---	---	---	1911
1912	2 070 AT 18:00 CST ON JUL 14	1 880 ON JUL 14	41.38 ON JAN 17	10 800 000	1912
1913	---	1 010 ON AUG 21	36.28 ON JAN 15	9 770 000	1913
1914	---	1 790 ON JUN 14	24.18 ON JAN 19	8 980 000	1914
1915	5 880 AT 13:00 CST ON JUL 2 *	5 300 ON JUL 2 *	38.28 ON JAN 1	12 200 000	1915
1916	---	1 810 ON JUN 27	26.68 ON FEB 15	11 000 000	1916
1917	---	1 840 ON MAY 23	28.48 ON DEC 27	8 770 000	1917
1918	---	826 ON JUN 22	26.48 ON NOV 19	8 380 000	1918
		827A ON APR 23	22.78 ON MAR 21	5 090 000	1919
1920	---				
1921	---	1 670A ON MAY 14	26.38 ON DEC 31	8 740 000	1920
1922	718 AT 20:00 CST ON AUG 25	1 130B ON APR 22	19.38 ON JAN 3	7 140 000	1921
1923	1 670 AT 08:00 CST ON JUN 30	882 ON AUG 25	12.78 ON DEC 18	8 280 000	1922
1924	787 AT 08:00 CST ON JUL 12	1 640 ON JUN 30	12.88 ON JAN 6	8 610 000	1923
		786 ON JUL 12	18.88 ON JAN 22	8 400 000	1924
1925	1 870A AT 12:30 CST ON AUG 23				
1926	---	1 820 ON AUG 23	32.08 ON FEB 21	8 300 000	1925
1927	---	1 350 ON SEP 9	27.38 ON FEB 23	7 850 000	1926
1928	---	1 850 ON APR 30	34.08 ON JAN 24	10 400 000	1927
1929	---	1 570 ON JUN 24	37.78 ON DEC 31	8 220 000	1928
		1 340 ON JUN 11	25.28 ON FEB 28	5 150 000	1929
1930	---				
1931	---	885 ON JUL 24	30.38 ON JAN 20	8 810 000	1930
1932	2 230 AT 08:15 CST ON JUN 10	1 050 ON JUL 8	24.38 ON JAN 18	8 190 000	1931
1933	---	2 180 ON JUN 10	24.68 ON MAR 16	8 080 000	1932
1934	---	884 ON JUN 25	27.78 ON MAR 11	8 880 000	1933
		756 ON JUN 8	22.78 ON JAN 7	5 780 000	1934
1935	---	1 580 ON JUL 16	11.28 ON JAN 23 *	7 850 000	1935
1936	---	1 820B ON APR 23	18.08 ON DEC 30	7 260 000	1936
1937	---	770 ON JUL 24	12.88 ON JAN 18	5 110 000	1937
1938	---	840 ON JUL 11	19.58 ON FEB 12	8 640 000	1938
1939	---	790 ON JUL 4	31.18 ON MAR 1	5 450 000	1939
1940	---	1 140B ON APR 23	23.78 ON FEB 20	5 890 000	1940
1941	---	467 ON JUL 6	11.38 ON DEC 26	4 300 000	1941
1942	---	1 230 ON JUL 20	13.08 ON JAN 4	7 350 000	1942
1943	---	1 180B ON APR 20	19.88 ON DEC 20	7 830 000	1943
1944	---	---	---	---	1944
1945	---	820 ON JUN 8	25.18 ON JAN 8	5 550 000	1945
1946	---	1 070 ON JUN 30	28.88 ON DEC 4	8 570 000	1946
1947	---	786 ON JUN 18	31.78 ON FEB 28	7 070 000	1947
1948	---	2 080 ON MAY 31	19.48 ON NOV 25	11 800 000	1948
1949	---	762 ON JUL 29	12.78 ON DEC 30	6 570 000	1949
1950	---	1 190 ON JUN 23	12.38 ON JAN 2	5 880 000	1950
1951	---	981 ON MAY 10	22.78 ON MAR 23	8 010 000	1951
1952	3 030 AT 15:00 CST ON JUN 28	2 970 ON JUN 29	31.78 ON DEC 27	9 110 000	1952
1953	1 180 AT 21:15 CST ON JUN 10	1 120 ON JUN 11	19.08 ON JAN 10	8 410 000	1953
1954	3 060 AT 18:00 CST ON JUN 12	2 790 ON JUN 12	12.48 ON JAN 23	13 000 000	1954
1955	---	951B ON APR 13	15.78 ON DEC 10	8 090 000	1955
1956	---	1 800B ON APR 21	18.08 ON DEC 26	7 890 000	1956
1957	---	823 ON JUN 18	19.88 ON FEB 2	8 070 000	1957
1958	1 330 AT 14:30 CST ON JUL 8	1 270 ON JUL 7	14.48 ON DEC 13	7 870 000	1958
1959	1 270 AT 20:00 CST ON JUL 4	1 180 ON JUL 5	15.78 ON JAN 25	8 430 000	1959
1960	1 010 AT 20:00 CST ON JUL 8	1 010 ON JUL 8	19.08 ON DEC 21	8 500 000	1960
1961	788 AT 17:00 CST ON AUG 7	788 ON AUG 7	14.28 ON DEC 20	8 100 000	1961
1962	787 AT 12:00 CST ON JUL 21	788 ON JUL 21	22.48 ON APR 6	8 840 000	1962
1963	1 180 AT 12:00 CST ON APR 22	1 110 ON APR 22	22.68 ON JAN 22	7 880 000	1963
1964	1 270 AT 09:00 CST ON JUN 27	1 250 ON JUN 27	46.98 ON DEC 31	7 830 000	1964
1965	2 520 AT 20:00 CST ON JUL 4	2 480A ON JUL 4	28.38 ON JAN 2	12 800 000	1965
1966	1 310 AT 15:00 CST ON JUL 12	1 250 ON JUL 12	50.19 ON DEC 20	8 050 000	1966
1967	883 AT 03:00 CST ON JUN 28	875 ON JUN 28	25.38 ON DEC 19	7 090 000	1967
1968	803 AT 20:00 CST ON AUG 16	588 ON AUG 16	35.68 ON JAN 4	8 480 000	1968
1969	1 590 AT 16:00 CST ON JUL 13	1 570 ON JUL 13	38.88 ON NOV 25	8 430 000	1969
1970	1 270 AT 10:00 CST ON JUN 24	1 250 ON JUN 24	30.68B ON DEC 8	8 880 000	1970
1971	1 140 AT 01:10 CST ON JUN 17	1 110 ON JUN 17	39.88 ON DEC 24	8 280 000	1971
1972	2 380 AT 14:32 CST ON JUL 2	2 340 ON JUL 2	47.08 ON DEC 17	8 480 000	1972
1973	848 AT 18:02 CST ON JUL 3	820 ON JUL 3	74.58 ON NOV 21	7 170 000	1973
1974	4 050B AT 08:00 CST ON APR 23	3 880RB ON APR 23	84.78 ON NOV 19	11 700 000	1974
1975	790 AT 13:33 CST ON MAY 1	787 ON MAY 1	38.88 ON NOV 25	5 480 000R	1975
1976	868 AT 13:11 CST ON APR 14	829B ON APR 14	52.78 ON DEC 21	5 740 000	1976
1977	928 AT 13:20 CST ON JUN 8	915 ON JUN 8	51.08 ON DEC 6	8 600 000	1977
1978	---	869A ON JUL 19	57.0RB ON NOV 18	8 230 000	1978
1979	---	1 050B ON MAY 3	55.38 ON DEC 31	8 440 000	1979
1980	1 630 AT 18:53 CST ON JUN 12	1 580 ON JUN 12	58.68 ON JAN 1	8 650 000	1980
1981	1 170 AT 04:33 CST ON AUG 2	1 150 ON AUG 2	48.48 ON FEB 18	8 210 000	1981
1982	1 730 AT 00:18 CST ON JUL 13	1 680 ON JUL 13	58.28 ON MAR 10	7 920 000	1982
1983	---	790B ON APR 21	60.88 ON DEC 23	8 390 000	1983
1984	835B AT 08:00 CST ON APR 6	784B ON APR 6	78.28 ON JAN 9	5 530 000	1984
1985	1 010B AT 08:30 CST ON APR 14	844B ON APR 14	87.88 ON DEC 4	6 780 000	1985
1986	3 420 AT 08:00 CST ON JUL 24	3 230 ON JUL 24	70.88 ON MAR 2	8 740 000	1986
1987	---	871B ON APR 13	71.08 ON DEC 15	8 830 000	1987
1988	528 AT 14:33 CST ON JUL 15	515 ON JUL 15	58.68 ON FEB 18	5 020 000	1988
				7 810 000R	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)

B - ICE CONDITIONS

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

R - REVISED SINCE JAN 01 1987

NORTH SASKATCHEWAN RIVER NEAR DEER CREEK - STATION NO. 05EF001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1917	---	---	---	---	---	---	618	378	271	189	111	48.8	---	1917
1918	58.1	46.9	45.5	206	202	506	483	361	286	181	81.8	38.1	203	1918
1919	35.8	30.7	27.8	119	174	278	334	428	282	99.3	56.0	40.7	180	1919
1920	38.8	27.1	28.8	88.2	784	810	758	600	232	131	74.2	38.7	278	1920
1921	36.1	33.0	33.7	251	335	435	416	373	185	88.4	---	---	---	1921
1922	---	---	---	---	288	424	421	488	277	128	---	---	---	1922
1944	---	---	---	---	217	1 110	887	589	328	180	---	---	---	1944
1945	---	---	37.8	78.4	215	420	423	346	264	191	---	---	---	1945
1946	---	---	43.4	175	183	780	518	319	233	114	---	---	---	1946
1947	---	---	51.4	226	358	487	544	346	267	179	---	---	---	1947
1948	---	---	39.3	151	1 240	613	559	580	274	135	---	---	---	1948
1949	---	---	30.3	109	148	238	383	317	178	87.6	60.0	18.8	---	1949
1950	23.2	25.7	26.8	80.8	159	509	551	385	214	104	44.7	33.1	179	1950
1951	28.8	28.7	27.4	218	488	407	800	384	288	194	87.4	56.2	232	1951
1952	45.7	44.1	39.5	348	230	671	712	486	346	161	73.0	31.8	273	1952
1953	31.1	41.2	39.3	98.8	394	788	637	589	307	139	78.8	38.2	259	1953
1954	31.7	40.0	43.1	109	478	1 030	688	622	817	260	139	59.7	378	1954
1955	47.7	55.8	47.3	280	433	579	542	276	178	82.4	38.6	30.3	218	1955
1956	35.0	31.8	28.8	341	321	508	488	378	220	116	87.7	38.8	216	1956
1957	40.8	23.8	27.4	198	394	414	311	281	233	148	102	50.9	187	1957
1958	47.0	37.8	41.8	238	388	575	720	373	240	114	---	---	---	1958
1959	---	---	---	---	271	388	723	481	281	133	77.3	71.2	---	1959
1970	58.4	70.8	72.8	237	231	506	482	291	148	78.8	52.8	74.3	184	1970
1971	62.3	55.1	58.2	353	273	628	585	458	187	116	88.2	49.7	241	1971
1972	65.3	84.8	84.8	283	271	774	681	333	146	186	88.8	73.4	282	1972
1973	78.4	108	113	278	384	380	284	214	170	150	87.3	86.9	183	1973
1974	83.4R	133	103	626	698	487	440	218	218	183	153	151	283R	1974
1975	124	111	107	210	278	218	304	138	128	98.2	75.1	114	151	1975
1976	108	130	132	222	184	207	193	267	209	185	133	120	173	1976
1977	114	98.8	100	178	284	418	238	261	241	188	104	128	187	1977
1978	121	135	114	217	283	544	488	246	304	212	171	138	247	1978
1979	111	127	189	218	347	228	237	187	140	111	97.1	89.1	178	1979
1980	98.3	123	150	352	214	828	474	284	237	180	158	102	284	1980
1981	111	98.8	126	227	388	317	434	512	230	188	183	140	244	1981
1982	103	96.4	85.8	288	288	287	774	214	188	185	128	122	231	1982
1983	148	107	115	280	295	280	373	148	127	120	115	105	184	1983
1984	114	110	113	251	187	228	182	137	180	182	182	122	158	1984
1985	85.7	127	188	401	221	228	188	187	238	180	132	131	188	1985
1986	108	87.6	144	325	318	381	828	327	237	294	188	182	283	1986
1987	128	148	138	301	212	210	223	205	181	130	116	88.8	171	1987
1988	80.2	83.3	118	178	137	198	230	191	175	185	132	102	181	1988
MEAN	76.8R	77.4	78.7	238	328	488	478	347	235	180	104	81.2	218R	MEAN

LOCATION - LAT 53 31 00 N DRAINAGE AREA, 57 100 km²
LONG 108 36 40 W REGULATED SINCE 1962

R - REVISED SINCE JAN 01 1987

REMARKS - RECORDS FOR 1917-22 AND 1944-58 COLLECTED IN NW16-53-26-W3

NORTH SASKATCHEWAN RIVER NEAR DEER CREEK - STATION NO. 05EF001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1917	---	---	---	---	1917
1918	---	920 ON JUN 18	31.48 ON DEC 22	8 410 000	1918
1919	---	848 ON JUN 27	24.58 ON FEB 18	5 040 000	1919
1920	---	1 480 ON MAY 11	23.78 ON FEB 13	8 720 000	1920
1921	---	748 ON MAY 28	26.08 ON MAR 25	---	1921
1922	---	801 ON AUG 21	---	---	1922
1944	3 480 AT 21:20 MST ON JUN 17	3 110 ON JUN 17	---	---	1944
1945	---	877 ON JUN 4	---	---	1945
1946	---	1 280 ON JUN 28	---	---	1946
1947	---	764 ON JUN 15	---	---	1947
1948	---	1 830 ON MAY 25	---	---	1948
1949	---	804 ON JUL 24	---	---	1949
1950	---	1 120 ON JUN 19	11.48 ON DEC 8 *	5 850 000	1950
1951	---	1 020 ON MAY 5	20.68 ON DEC 31	7 330 000	1951
1952	3 310 AT 14:00 MST ON JUN 26	3 080 ON JUN 26	21.48 ON DEC 4	8 840 000	1952
1953	1 280 AT 04:00 MST ON JUN 7	1 240 ON JUN 7	16.08 ON JAN 23	8 170 000	1953
1954	3 230 AT 03:00 MST ON JUN 10	3 000 ON JUN 10	20.18 ON JAN 17	12 000 000	1954
1955	---	812 ON JUN 17	11.68 ON DEC 2	6 880 000	1955
1956	---	1 250B ON APR 17	12.38 ON DEC 12	6 790 000	1956
1957	880 AT 14:45 MST ON JUN 13	851 ON JUN 13	19.28 ON FEB 28	5 890 000	1957
1958	1 380 AT 08:30 MST ON JUL 2	1 330 ON JUL 2	---	---	1958
1959	1 570 AT 18:00 CST ON JUL 8	1 550 ON JUL 8	---	---	1959
1970	---	1 380A ON JUN 20	25.6B ON NOV 27	8 130 000	1970
1971	1 100 AT 08:28 CST ON JUN 10	1 080 ON JUN 10	32.8B ON DEC 17	7 610 000	1971
1972	2 170 AT 11:58 CST ON JUN 28	2 020 ON JUN 28	42.6B ON DEC 6	7 870 000	1972
1973	823 AT 04:48 CST ON JUN 28	580 ON JUL 5	56.0B ON JAN 16	6 100 000	1973
1974	---	1 550A ON APR 25	73.9RB ON JAN 16	9 220 000R	1974
1975	481 AT 01:44 CST ON MAY 10	458 ON MAY 10	32.3B ON NOV 23	4 780 000	1975
1976	442 AT 20:11 CST ON AUG 22	429 ON AUG 22	58.4B ON DEC 13	5 480 000	1976
1977	954 AT 02:05 CST ON JUN 2	920 ON JUN 2	34.9B ON NOV 28	8 200 000	1977
1978	851 AT 09:48 CST ON JUL 15	843 ON JUL 15	85.3B ON MAR 10	7 780 000	1978
1979	8778 AT 02:00 CST ON MAY 1	711B ON MAY 1	53.0B ON NOV 9	9 500 000	1979
1980	2 010 AT 14:42 CST ON JUN 6	1 890 ON JUN 6	48.0B ON DEC 9	8 340 000	1980
1981	1 180 AT 22:48 CST ON JUL 28	1 150 ON JUL 28	72.3B ON FEB 13	7 700 000	1981
1982	2 100 AT 08:26 CST ON JUL 6	2 030 ON JUL 6	83.8B ON MAR 4	7 280 000	1982
1983	810 AT 13:18 CST ON JUL 9	588 ON JUL 9	75.1B ON NOV 18	8 800 000	1983
1984	513 AT 10:43 CST ON APR 9	448 ON APR 9	48.0B ON MAR 5	5 000 000	1984
1985	7878 AT 00:53 CST ON APR 12	675 ON SEP 18	57.5B ON JAN 6	5 850 000	1985
1986	3 980 AT 13:52 CST ON JUL 21 *	3 780 ON JUL 21 *	85.9B ON FEB 24	8 920 000	1986
1987	519 AT 17:25 CST ON APR 18	462 ON APR 18	58.3B ON DEC 8	5 380 000	1987
1988	547 AT 14:38 CST ON JUL 10	515 ON JUL 10	58.6B ON FEB 9	4 790 000	1988
				8 910 000R	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD
R - REVISED SINCE JAN 01 1987

NORTH SASKATCHEWAN RIVER NEAR NORTH BATTLEFORD - STATION NO. 05EG001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1912	36.4	38.7	41.1	236	337	474	959	795	492	229	110	56.1	316	1912
1913	34.5	44.0	55.8	272	274	585	654	512	336	182	100	61.2	287	1913
1914	33.6	32.2	36.6	144	345	579	734	387	243	187	119	48.7	288	1914
1915	47.6	41.6	46.4	212	---	---	---	---	---	---	---	52.6	---	1915
1916	38.1	32.4	37.4	188	220	683	842	572	583	278	186	78.6	314	1916
1917	61.2	61.4	64.8	271	528	618	578	441	315	---	---	---	---	1917
1987	---	---	---	---	---	786	562	333	209	123	---	---	---	1987
1988	---	---	---	---	188	388	488	490	272	172	---	---	---	1988
MEAN	41.6	40.2	44.2	215	327	620	691	529	360	197	124	58.8	291	MEAN

LOCATION - LAT 52 46 32 N, LONG 108 18 48 W
DRAINAGE AREA, 69 600 km^2
REGULATED SINCE 1962

NORTH SASKATCHEWAN RIVER NEAR NORTH BATTLEFORD - STATION NO. 05EG001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1912	---	1 980 ON JUL 12 *	33.7B ON JAN 16	10 000 000	1912
1913	---	1 380 ON JUN 17	26.6 ON JAN 11	8 420 000	1913
1914	---	1 020 ON JUN 11	23.4 ON JAN 11 *	8 450 000	1914
1915	---	---	35.4 ON MAR 18	---	1915
1916	---	1 470 ON JUN 25	30.3 ON FEB 11	9 840 000	1916
1917	---	1 310 ON MAY 21	---	---	1917
1987	---	1 140 ON JUN 23	---	---	1987
1988	---	722 ON AUG 13	---	---	1988
				9 300 000	MEAN

B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

NOTUKEU CREEK ABOVE ADMIRAL RESERVOIR - STATION NO. 05JB004

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1975	---	---	0.019	1.07	0.847	0.042	0.002	0	0.001	0.002	---	---	0.247	1975
1976	---	---	2.80	0.207	0.012	0.410	0.106	0.088	0.034	0.038	---	---	0.437	1976
1977	---	0.016	0.048	0.080	0.017	0	0	0	0	0	---	---	0.015	1977
1978	---	---	0.873	0.188	0.017	0	0	0	0.001	0	---	---	0.148	1978
1979	---	---	1.22	0.383	0.134	0.001	0.005	0.002	0.038	0	---	---	0.221	1979
1980	---	---	0.286	0.083	0	0.018	0.002	0	0	0.048	---	---	0.053	1980
1981	---	0.090	0.027	0.008	0.003	0.082	0.007	0	0	0	---	---	0.018	1981
1982	---	0.338	1.12	1.48	0.188	0.321	0.088	0	0	0.008	---	---	0.390	1982
1983	---	0.228	0.210	0.218	0.048	0.001	0.002	0	0	0	---	---	0.080	1983
1984	---	---	0.028	0.006	0	0	0	0	0	0	---	---	0.004	1984
1985	---	---	0.385	0.135	0.001	0	0	0	0	0	---	---	0.065	1985
1986	---	1.21	0.398	0.007	0.084	0	0	0	0.043	0.011	---	---	0.088	1986
1987	---	---	0.284	0.194	0.005	0	0.842	0.077	0	0	---	---	0.177	1987
1988	---	---	0.028	0.010	0	0	0	0	0	0	---	---	0.005	1988
MEAN	---	0.376	0.545	0.283	0.095	0.083	0.074	0.010	0.008	0.008	---	---	0.136	MEAN

LOCATION - LAT 49 42 32 N DRAINAGE AREA, 484 km²
LONG 108 07 31 W NATURAL FLOW

NOTUKEU CREEK ABOVE ADMIRAL RESERVOIR - STATION NO. 05JB004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1975	13.7 AT 19:45 CST ON APR 21	9.32 ON APR 22	0B ON MAR 1 *	5 220	1975
1976	46.1 E AT 14:40 CST ON MAR 19	27.2 E ON MAR 19 *	0 ON MAY 27	9 250	1976
1977	0.6608 AT 21:08 CST ON APR 5	0.2788 ON MAR 7	0 ON JUN 7	328	1977
1978	---	3.88 B ON MAR 26	0B ON MAR 1	3 090	1978
1979	---	5.50 B ON MAR 17	0B ON MAR 1	4 870	1979
1980	---	0.8288 ON MAR 28	0B ON MAR 3	1 120	1980
1981	0.846 AT 12:46 CST ON JUN 14	0.870 ON JUN 14	0 ON APR 28	333	1981
1982	14.4 B AT 17:14 CST ON APR 11	7.34 B ON APR 11	0 ON AUG 6	8 290	1982
1983	3.65 AT 21:06 CST ON MAR 30	1.88 B ON MAR 30	0 ON JUN 17	1 270	1983
1984	0.7358 AT 07:30 CST ON MAR 20	0.1788 ON MAR 21	0 ON APR 19	83.1	1984
1985	2.58 AT 15:40 CST ON MAR 18	1.78 ON MAR 18	0B ON MAR 1	1 380	1985
1986	---	1.76 B ON MAR 1	0 ON MAY 2	1 450	1986
1987	57.9 E AT 20:06 CST ON JUL 28 *	8.07 ON JUL 28	0 ON MAY 13	3 740	1987
1988	0.1888 AT 09:28 CST ON MAR 19	0.093 ON MAR 21	0 ON MAY 5	102	1988
				2 880	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

NOTUKEU CREEK NEAR GRAVELBOURG - STATION NO. 05JB003

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1923	---	---	0.030	5.26	0.810	8.80	7.86	0.325	0.088	0.128	---	---	3.00	1923
1924	---	---	0.011	2.40	0.386	0.477	0.115	0.404	0.015	0	---	---	0.488	1924
1925	---	---	10.3	24.0	1.46	0.535	0.222	0.043	---	---	---	---	---	1925
1938	---	---	---	10.3	0.585	0.083	---	---	---	---	---	---	---	1938
1940	---	---	---	18.5	---	---	---	---	---	---	---	---	---	1940
1944	---	---	0.088	8.88	0.508	0.078	---	---	---	---	---	---	---	1944
1945	---	---	4.50	0.757	0.373	0.288	---	---	---	---	---	---	---	1945
1946	---	---	4.57	0.880	0.088	0.002	---	---	---	---	---	---	---	1946
1947	---	---	0	7.83	0.857	0.305	---	---	---	---	---	---	---	1947
1948	---	---	3.48	7.50	1.10	0.083	---	---	---	---	---	---	---	1948
1949	---	---	0.888	1.77	0.108	0.021	---	---	---	---	---	---	---	1949
1950	---	---	0	16.2	2.17	0.880	---	---	---	---	---	---	---	1950
1951	---	---	0	21.1	8.84	0.672	---	---	---	---	---	---	---	1951
1952	---	---	0	50.7	2.37	0.237	---	---	---	---	---	---	---	1952
1953	---	---	0.881	15.2	2.38	4.06	---	---	---	---	---	---	---	1953
1954	---	---	0.303	13.7	2.04	1.32	---	---	---	---	---	---	---	1954
1955	---	---	0.280	18.3	4.58	0.893	---	---	---	---	---	---	---	1955
1956	---	---	0.812	3.21	1.05	0.278	---	---	---	---	---	---	---	1956
1957	---	---	2.85	2.87	0.575	0.191	0.081	0.020	0.001	0.001	---	---	0.820	1957
1958	---	---	0.485	13.2	0.831	0.071	0.078	0.018	0	0	---	---	1.75	1958
1959	---	---	1.81	0.128	0.040	0.008	0.045	0	0	0	---	---	0.268	1959
1960	---	---	7.38	3.35	0.432	1.08	0.488	0.084	0.001	0	---	---	1.80	1960
1961	---	---	2.15	0.484	0.105	0.028	0	0	0	0	---	---	0.345	1961
1962	---	---	0.074	7.82	0.383	0.238	0.431	0.800	0.024	0.010	---	---	1.20	1962
1963	---	---	4.57	1.87	0.084	1.44	0.118	0.080	0.048	0.423	---	---	1.09	1963
1964	---	---	0.095	0.848	0.182	0.002	0	0	0	0	---	---	0.114	1964
1965	---	---	0	11.5	1.88	0.447	1.10	0.324	0.172	0.118	---	---	1.82	1965
1966	---	---	12.8	2.89	0.882	0.218	0.188	0.088	0.026	0.034	---	---	2.14	1966
1967	---	---	0.181	24.8	6.26	1.12	0.313	0.065	0.032	0.097	---	---	4.04	1967
1968	---	---	4.03	0.283	0.058	0.053	0.017	0.020	0.083	0.028	---	---	0.878	1968
1969	---	---	0.082	17.2	2.73	0.888	2.57	0.518	0.180	0.183	---	---	3.00	1969
1970	---	---	3.02	18.0	2.17	1.06	0.438	0.085	0.014	0.017	---	---	3.18	1970
1971	---	---	0.018	11.8	1.30	0.363	0.221	0.008	0	0	---	---	1.88	1971
1972	---	---	0.358	0.231	0.058	0.095	0.018	0.128	0.001	0	---	---	0.111	1972
1973	---	---	0.418	0.187	0.050	0.002	0	0	0	0	---	---	0.080	1973
1974	---	---	0.374	21.0	1.88	1.51	0.098	0.335	0.308	0.008	---	---	3.57	1974
MEAN	---	---	1.84	10.2	1.45	0.831	0.881	0.158	0.050	0.092	---	---	1.55	MEAN

LOCATION - LAT 49 55 50 N DRAINAGE AREA, 4 230 km²
LONG 106 33 00 W REGULATED

NOTUKEU CREEK NEAR GRAVELBOURG - STATION NO. 05JB003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1923	---	52.1 ON JUL 1	0 B ON MAR 1 *	63 500	1923
1924	---	15.3 ON APR 13	0 B ON MAR 1	8 900	1924
1925	---	127 E ON MAR 30	0 B ON MAR 1	---	1925
1938	---	40.2 ON APR 18	---	---	1938
1940	---	58.5 ON APR 23	---	---	1940
1944	---	30.9 ON APR 8	0 B ON MAR 1	---	1944
1945	---	28.1 B ON MAR 19	0 B ON MAR 1	---	1945
1946	---	14.0 ON MAR 19	0 B ON MAR 1	---	1946
1947	---	28.8 ON APR 9	0 B ON MAR 1	---	1947
1948	---	18.6 ON APR 22	0 B ON MAR 1	---	1948
1949	---	5.52 ON APR 8	0 B ON MAR 1	---	1949
1950	---	85.7 ON APR 22	0 B ON MAR 1	---	1950
1951	---	142 B ON APR 13	0 B ON MAR 1	---	1951
1952	---	193 E ON APR 10 *	0 B ON MAR 1	---	1952
1953	---	57.8 ON APR 8	---	---	1953
1954	---	46.4 ON APR 16	---	---	1954
1955	---	45.3 B ON APR 7	---	---	1955
1956	---	5.955 ON APR 11	---	---	1956
1957	---	19.8 B ON MAR 29	0 ON AUG 29	17 400	1957
1958	---	91.5 ON APR 7	0 ON AUG 12	37 300	1958
1959	---	8.008 ON MAR 12	0 ON MAY 14	5 650	1959
1960	37.7 AT 15:30 ON MAR 28	37.1 ON MAR 28	0 B ON MAR 1	33 900	1960
1961	6.688 AT 08:00 ON MAR 23	6.318 ON MAR 23	0 B ON MAR 1	7 310	1961
1962	23.7 AT 21:00 MST ON APR 8	23.6 ON APR 10	0 B ON MAR 1	25 400	1962
1963	17.6 AT 18:30 MST ON MAR 28	17.1 ON MAR 28	0 B ON MAR 1	23 100	1963
1964	---	1.33 ON APR 12	0 B ON MAR 1	2 420	1964
1965	56.9 ON APR 19	54.7 ON APR 19	0 B ON MAR 1	40 800	1965
1966	---	43.9 B ON MAR 23	0.008 ON SEP 20	45 300	1966
1967	118 AT 02:00 CST ON APR 16 *	111 ON APR 16	0 ON AUG 28	65 800	1967
1968	---	9.66 ON MAR 8	0 ON JUL 19	12 200	1968
1969	67.4 B AT 03:00 CST ON APR 11	60.3 B ON APR 11	0 B ON MAR 1	63 400	1969
1970	---	49.6 ON APR 13	0 B ON MAR 1	67 400	1970
1971	37.9 AT 11:30 CST ON APR 13	37.9 ON APR 13	0 B ON MAR 1	35 500	1971
1972	---	2.678 ON MAR 26	0 B ON MAR 1	2 340	1972
1973	---	1.628 ON MAR 17	0 ON MAY 17	1 880	1973
1974	---	56.9 ON APR 14	0 B ON MAR 1	75 400	1974
				32 800	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

NOTUKEU CREEK NEAR VANGUARD - STATION NO. 05JB001

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1914	---	---	---	---	---	---	---	0.050	0.081	0.121	0.088	0.042	---	1914
1915	0	0	0.205	1.18	0.738	0.856	0.282	0.148	0.080	0.098	0.081	0.534	0.406	1915
1916	0	0	18.7	7.38	1.15	1.67	7.17	0.892	0.564	0.496	0.336	0.938	4.47	1916
1917	0	0	0	21.8	2.33	0.482	0.207	0.110	0.067	0.077	0.140	0.037	3.09	1917
1918	0	0	18.1	0.881	0.382	0.131	0.028	0.011	0.001	0	0.007	0.088	2.08	1918
1919	0	0	0.014	2.38	0.177	0.020	0.003	0	0	0	0	0	0.306	1919
1920	0	0	8.84	1.80	0.481	0.780	0.227	0.034	0.012	0.023	0.007	0.881	1.82	1920
1921	0	0.003	1.18	0.828	0.272	0.803	0.078	0.086	0.112	0.118	0.037	0.011	0.382	1921
1922	0	0	2.33	11.7	0.714	0.380	0.263	0.041	0.040	0.031	0.030	0.086	1.90	1922
1923	0	0	---	---	---	---	---	---	---	---	---	---	---	1923
1940	---	---	---	18.3	---	---	---	---	---	---	---	---	---	1940
1944	---	---	0.488	5.35	0.388	0.484	---	---	---	---	---	---	---	1944
1945	---	---	4.67	0.402	0.284	---	---	---	---	---	---	---	---	1945
1946	---	---	2.40	0.444	0.087	0.138	---	---	---	---	---	---	---	1946
1947	---	---	1.78	4.13	0.377	0.882	---	---	---	---	---	---	---	1947
1948	---	---	4.88	4.72	0.711	0.336	---	---	---	---	---	---	---	1948
1949	---	---	1.08	1.10	0.095	0.019	---	---	---	---	---	---	---	1949
1950	---	---	0	23.8	1.15	0.484	---	---	---	---	---	---	---	1950
1951	---	---	0.014	22.2	4.88	0.818	---	---	---	---	---	---	---	1951
1952	---	---	0.035	88.7	1.40	0.443	---	---	---	---	---	---	---	1952
1953	---	---	10.2	7.83	1.91	4.48	---	---	---	---	---	---	---	1953
1954	---	---	0.188	15.4	1.18	1.88	---	---	---	---	---	---	---	1954
1955	---	---	2.28	20.4	3.87	0.448	---	---	---	---	---	---	---	1955
1956	---	---	1.27	2.30	0.788	0.240	---	---	---	---	---	---	---	1956
1957	---	---	5.24	1.38	0.518	0.328	0.144	0.071	0.018	0.085	---	---	0.878	1957
1958	---	---	3.08	13.3	0.527	0.478	0.217	0.084	0.015	0.018	---	---	2.18	1958
1959	---	---	1.84	0.131	0.082	0.070	0.088	0.028	0.017	0.042	---	---	0.287	1959
1960	---	---	11.0	1.25	0.285	0.885	0.287	0.217	0.026	0.107	---	---	1.80	1960
1961	---	---	1.40	0.542	0.286	0.143	0.078	0.036	0.083	0.080	---	---	0.381	1961
1962	---	---	1.87	8.87	0.132	0.187	0.723	0.083	0.084	0.122	---	---	1.18	1962
1963	---	---	2.87	0.878	0.280	1.52	0.215	0.088	0.018	0.877	---	---	0.777	1963
1964	---	---	0.077	0.331	0.078	0.121	0.188	0.082	0.012	0	---	---	0.112	1964
1965	---	---	0	18.3	1.28	0.880	1.18	0.372	0.288	0.388	---	---	2.81	1965
1966	---	---	14.8	1.70	0.951	0.281	0.288	0.154	0.124	0.043	---	---	2.31	1966
1967	---	---	1.08	22.2	5.72	1.42	0.588	0.181	0.114	0.122	---	---	3.87	1967
1968	---	---	3.34	0.228	0.148	0.181	0.088	0.140	0.048	0.018	---	---	0.831	1968
1969	---	---	0.142	18.1	1.87	0.721	2.38	0.840	0.247	0.243	---	---	3.12	1969
1970	---	---	4.00	14.8	1.40	1.07	0.188	0.008	0.048	0.080	---	---	2.83	1970
1971	---	---	0.086	11.8	1.07	0.371	0.187	0.128	0.020	0.014	---	---	1.88	1971
1972	---	---	0.328	0.208	0.220	0.237	0.028	0.148	0.083	0.188	---	---	0.170	1972
1973	---	---	0.801	0.072	0.038	0.037	0.018	0.008	0.010	0	---	---	0.088	1973
1974	---	---	1.83	13.8	5.04	0.848	0.323	0.374	0.218	0.138	---	---	2.78	1974
1975	---	---	0.048	5.82	5.13	0.282	0.142	0.304	0.071	0.482	---	---	1.48	1975
1976	---	---	18.4	8.88	0.737	1.88	1.18	0.828	0.080	0.082	---	---	3.72	1976
1977	---	---	0.138	0.138	0.223	0.084	0.001	0	0	0	---	---	0.088	1977
1978	---	---	4.88	5.83	0.800	0.318	1.03	0.087	0.113	0.082	---	---	1.82	1978
1979	---	---	4.40	8.82	2.08	0.348	0.172	0.078	0.018	0.027	---	---	1.88	1979
1980	---	---	1.70	1.88	0.272	0.094	0.081	0.008	0.012	0.085	---	---	0.480	1980
1981	---	---	0.188	0.344	0.072	0.058	0.187	0.028	0.017	0.027	---	---	0.118	1981
1982	---	---	2.11	8.87	0.871	1.82	1.48	0.212	0.103	0.125	---	---	2.08	1982
1983	---	0.218	0.730	8.10	0.838	0.180	0.112	0.028	0.007	0.027	---	---	0.880	1983
1984	---	0.080	0.088	0.081	0.002	0.001	0	0	0	0	---	---	0.018	1984
1985	---	---	0.485	0.247	0.018	0	0	0	0	0	---	---	0.080	1985
1986	---	1.30	4.58	0.883	0.708	0.323	0.102	0.018	0.048	0.177	---	---	0.870	1986
1987	---	0.208	0.005	1.28	0.378	0.101	0.003	0.088	0.014	0.044	---	---	0.310	1987
1988	---	---	0.013	0.028	0.038	0.012	0.100	0.002	0.008	0	---	---	0.028	1988
MEAN	0	0.137	3.14	7.88	1.03	0.587	0.807	0.131	0.088	0.102	0.078	0.018	1.39	MEAN

LOCATION - LAT 48 55 03 N DRAINAGE AREA, 3 840 km²
LONG 107 11 08 W REGULATED

NOTUKEU CREEK NEAR VANGUARD - STATION NO. 05JE001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1914	---	---	0 E ON AUG 1 *	---	1914
1915	---	5.66 ON APR 5	0 B ON MAR 1	8 800	1915
1916	---	63.7 B ON MAR 29	0 B ON MAR 1	94 700	1916
1917	---	85.1 ON APR 11	0 ON MAR 1	85 400	1917
1918	---	78.4 OF MAR 20	0 B ON MAR 1	44 300	1918
1919	---	10.2 B ON APR 4	0 B ON MAR 1	8 480	1919
1920	---	78.2 B ON MAR 23	0 B ON MAR 1	34 400	1920
1921	---	3.43 B ON MAR 27	0 ON JUL 24	8 300	1921
1922	---	64.8 B ON APR 4	0 B ON MAR 1	40 200	1922
1923	---	---	---	---	1923
1940	112 AT 16:00 MST ON APR 16	109 ON APR 16	0 B ON MAR 23	---	1940
1944	42.5 B AT 17:30 MST ON APR 3	41.9 B ON APR 3	0 B ON MAR 1	---	1944
1945	28.8 B AT 18:00 MST ON MAR 14	28.8 B ON MAR 14	0 B ON MAR 1	---	1945
1946	20.1 AT 18:00 MST ON MAR 14	18.3 ON MAR 14	0 B ON MAR 1	---	1946
1947	10.3 AT 14:00 MST ON APR 13	10.2 ON APR 13	0 B ON MAR 1	---	1947
1948	28.6 AT 09:00 MST ON APR 16	28.1 ON APR 16	0 B ON MAR 1	---	1948
1949	---	4.30 B ON MAR 31	0 B ON MAR 1	---	1949
1950	113 AT 17:00 MST ON APR 17	110 ON APR 17	0 B ON MAR 1	---	1950
1951	86.0 B AT 08:30 MST ON APR 7	81.8 B ON APR 7	0 B ON MAR 1	---	1951
1952	227 E AT 16:00 MST ON APR 7 *	208 E ON APR 7 *	0 B ON MAR 1	---	1952
1953	88.3 AT 18:00 MST ON MAR 30	88.7 ON MAR 30	0 B ON MAR 1	---	1953
1954	83.4 AT 15:30 MST ON APR 9	83.4 ON APR 9	---	---	1954
1955	84.1 AT 08:15 MST ON APR 2	81.8 ON APR 2	---	---	1955
1956	8.80 B AT 10:00 MST ON MAR 24	8.20 B ON MAR 21	0 B ON MAR 1	---	1956
1957	32.3 B AT 15:00 MST ON MAR 24	31.7 B ON MAR 24	0.006 ON SEP 30	20 800	1957
1958	85.2 AT 08:30 MST ON APR 2	82.7 ON APR 2	0 ON OCT 8	46 100	1958
1959	8.12 B AT 04:00 MST ON MAR 2	4.81 B ON MAR 2	0.006 ON SEP 24	8 300	1959
1960	81.2 B AT 20:00 CST ON MAR 22	56.6 B ON MAR 23	0 B ON MAR 1	38 000	1960
1961	5.83 B AT 14:30 CST ON MAR 17	5.01 B ON MAR 17	0 ON JUL 7	8 050	1961
1962	28.4 B AT 17:30 CST ON APR 6	24.1 B ON APR 7	0 B ON MAR 1	25 100	1962
1963	18.5 B AT 22:30 CST ON MAR 28	18.0 ON MAR 28	0 ON SEP 2	14 800	1963
1964	---	0.906 ON JUL 20	0 B ON MAR 1	2 340	1964
1965	116 AT 12:30 CST ON APR 13	90.3 ON APR 14	0 B ON MAR 1	53 100	1965
1966	---	88.8 B ON MAR 16	0.008 ON SEP 12	48 000	1966
1967	---	92.8 ON APR 12	0.0288 ON MAR 1	82 000	1967
1968	---	8.81 B ON MAR 10	0 ON MAY 24	11 200	1968
1969	104 B AT 20:30 CST ON APR 8	88.2 B ON APR 8	0.062 ON OCT 23	86 100	1969
1970	83.6 B AT 15:00 CST ON APR 8	73.8 B ON APR 8	0 ON JUL 22	55 700	1970
1971	43.6 AT 00:24 CST ON APR 10	42.5 ON APR 9	0.009 ON SEP 14	35 000	1971
1972	1.80 B AT 05:59 CST ON MAR 17	1.38 B ON MAR 21	0 B ON MAR 1	3 800	1972
1973	1.33 B AT 22:20 CST ON MAR 9	1.21 B ON MAR 8	0 ON MAY 31	1 800	1973
1974	38.1 B AT 22:51 CST ON MAR 31	32.8 B ON MAR 31	0.0578 ON MAR 1	58 400	1974
1975	30.8 AT 04:45 ON APR 25	28.2 ON APR 26	0 ON JUL 24	31 500	1975
1976	---	112 B ON MAR 22	0.012 ON SEP 17	78 800	1976
1977	2.31 AT 02:25 CST ON MAY 16	0.880 ON MAY 18	0 ON APR 28	1 470	1977
1978	---	21.2 B ON MAR 30	0 ON AUG 12	34 300	1978
1979	26.4 B AT 08:12 CST ON APR 12	27.1 B ON APR 12	0 B ON MAR 1	41 300	1979
1980	8.67 AT 10:41 CST ON APR 17	8.15 ON APR 17	0 ON MAY 26	10 400	1980
1981	---	3.56 ON APR 6	0 ON JUN 5	2 430	1981
1982	40.6 B AT 06:54 CST ON APR 15	33.6 B ON APR 15	0.008 ON AUG 11	63 400	1982
1983	28.5 B AT 00:20 CST ON APR 2	20.4 B ON APR 2	0.002 ON JUN 28	20 800	1983
1984	0.285 AT 03:17 CST ON APR 12	0.269 ON APR 12	0 ON JUN 24	375	1984
1985	8.56 AT 02:44 CST ON APR 16	2.60 B ON MAR 19	0 B ON MAR 1	1 810	1985
1986	---	20.5 B ON MAR 1	0 ON AUG 15	14 400	1986
1987	8.56 AT 22:18 CST ON APR 20	4.46 ON APR 21	0 ON JUL 8	8 570	1987
1988	0.921 AT 10:37 CST ON JUL 7	0.808 ON JUL 7	0 ON JUL 3	843	1988
				29 200	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

OLDMAN RIVER NEAR GOLDFIELDS - STATION NO. 07MC001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1935	---	---	---	---	---	---	---	---	---	---	5.06	3.46	---	1935
1936	2.16	2.00	1.88	---	---	---	---	---	---	---	---	---	---	1936
MEAN	2.16	2.00	1.88	---	---	---	---	---	---	---	5.06	3.46	---	MEAN

LOCATION - LAT 50 29 40 N
LONG 108 03 50 W
DRAINAGE AREA, 834 km^2
NATURAL FLOW

OLDMAN RIVER NEAR GOLDFIELDS - STATION NO. 07MC001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1935	---	---	---	---	1935
1936	---	2.368 ON JAN 3 *	1.638 ON MAR 28 *	---	1936
				---	MEAN

B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

OPUNTIA LAKE WEST INFLOW - STATION NO. 05EC007

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1980	---	---	0.081	0.010	0	0	0	0	0	0	---	---	0.008	1980
1981	---	---	0.019	0.001	0	0	0	0	0	0	---	---	0.003	1981
1982	---	---	0	0.245	0.001	0	0	0	0	0	---	---	0.030	1982
1983	---	---	0.111	0.064	0	0.004	0.016	0	0	0	---	---	0.024	1983
1984	---	---	0.026	0.054	0	0	0	0	0	0	---	---	0.010	1984
1985	---	---	0	0.808	0.001	0	0	0	0	0	---	---	0.088	1985
1986	---	---	0.180	0.210	0	0	0	0	0	0	---	---	0.048	1986
1987	---	---	0	0.325	0.077	0	0	0	0	0	---	---	0.050	1987
1988	---	---	0.077	0	0	0	0	0	0	0	---	---	0.010	1988
1989	---	---	0	1.29	0.004	0	0	0	0	0	---	---	0.159	1989
1990	---	---	0	1.10	0	0.285	0.178	0.001	0	0	---	---	0.192	1990
1991	---	---	0	0.551	0	0	0	0	0	0	---	---	0.067	1991
1992	---	---	0.068	0.074	0	0	0	0.002	0	0	---	---	0.017	1992
1993	---	---	0.018	0.006	0	0	0	0	0	0	---	---	0.003	1993
1994	---	---	0	0.805	0.002	0	0	0.005	0	0	---	---	0.076	1994
1995	---	---	0	0.370	0.010	0	0	0	0	0	---	---	0.047	1995
1996	---	---	0.033	0.226	0	0	0	0	0	0	---	---	0.032	1996
1997	---	---	0	0	0.048	0	0	0	0	0	---	---	0.006	1997
1998	---	---	0.218	0.076	0	0	0.010	0	0	0	---	---	0.038	1998
1999	---	---	0.060	0.116	0	0	0	0	0	0	---	---	0.022	1999
2000	---	---	0.017	0.013	0	0	0.001	0	0	0	---	---	0.004	2000
2001	---	---	0.048	0	0	0.035	0	0	0	0	---	---	0.008	2001
2002	---	---	0	0.103	0.003	0.082	0.183	0	0	0	---	---	0.048	2002
2003	---	---	0.114	0.174	0	0	0	0	0	0	---	---	0.038	2003
2004	---	---	0.058	0.001	0	0	0	0	0	0	---	---	0.008	2004
2005	---	---	0	0.763	0.001	0	0	0	0	0.003	---	---	0.084	2005
2006	---	---	0.083	0.005	0.010	0	0	0	0	0	---	---	0.013	2006
2007	---	---	0.056	0.027	0	0	0	0	0.026	0	---	---	0.013	2007
2008	---	---	0.011	0.003	0	0.002	0	0	0	0	---	---	0.002	2008
MEAN	---	---	0.043	0.249	0.005	0.013	0.014	0	0.001	0	---	---	0.040	MEAN

LOCATION - LAT 51 47 15 N DRAINAGE AREA, 94.5 km²
LONG 104 37 30 W NATURAL FLOW

OPUNTIA LAKE WEST INFLOW - STATION NO. 05EC007

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1980	---	0.3118 ON MAR 25	0B ON MAR 1 *	188	1980
1981	0.812 AT 14:00 CST ON MAR 26	0.119 ON MAR 25	0B ON MAR 1	53.6	1981
1982	---	2.45 B ON APR 6	0B ON MAR 1	637	1982
1983	3.06 B AT 10:45 CST ON MAR 29	1.06 B ON MAR 29	0E ON MAR 1	512	1983
1984	---	0.433A ON APR 3	0B ON MAR 1	209	1984
1985	---	3.94 B ON APR 15	0B ON MAR 1	2 100	1985
1986	---	3.85 ON APR 1	0B ON MAR 1	1 030	1986
1987	3.06 AT 10:30 CST ON APR 26	2.00 ON APR 26	0B ON MAR 1	1 050	1987
1988	2.16 B AT 14:00 CST ON MAR 2	0.5529 ON MAR 2	0 ON MAR 12	205	1988
1989	17.3 AT 18:45 CST ON APR 12 *	11.3 ON APR 12 *	0 ON MAR 1	3 360	1989
1990	11.3 AT 19:00 CST ON APR 11	9.28 ON APR 11	0B ON MAR 1	4 080	1990
1991	6.31 AT 11:55 CST ON APR 8	4.18 ON APR 8	0B ON MAR 1	1 430	1991
1992	0.8098 AT 20:57 CST ON APR 1	0.4795 ON MAR 25	0B ON MAR 1	354	1992
1993	---	0.1448 ON MAR 20	0B ON MAR 1	80.1	1993
1994	9.12 AT 15:00 CST ON APR 19	7.08 B ON APR 19	0B ON MAR 1	1 590	1994
1995	---	1.50 ON APR 20	0B ON MAR 1	985	1995
1996	1.95 AT 11:15 CST ON APR 6	1.36 ON APR 6	0B ON MAR 1	671	1996
1997	2.33 AT 16:54 CST ON MAY 19	0.664 ON MAY 19	0 ON MAR 1	124	1997
1998	3.26 B AT 12:05 CST ON MAR 29	2.13 B ON MAR 29	0B ON MAR 1	501	1998
1999	2.03 AT 19:05 CST ON APR 19	1.34 ON APR 19	0B ON MAR 1	460	1999
2000	0.852 AT 18:31 CST ON MAR 31	0.3218 ON MAR 31	0B ON MAR 1	80.5	2000
2001	4.85 AT 01:07 CST ON JUN 7	0.880 ON JUN 7	0B ON MAR 1	188	2001
2002	4.82 AT 05:15 CST ON JUL 2	2.75 ON JUL 2	0B ON MAR 1	953	2002
2003	2.47 B AT 18:49 CST ON MAR 28	1.52 ON APR 3	0B ON MAR 1	788	2003
2004	1.19 B AT 15:40 CST ON MAR 23	0.7779 ON MAR 24	0B ON MAR 1	169	2004
2005	5.05 B AT 05:29 CST ON APR 2	3.84 B ON APR 3	0B ON MAR 1	1 990	2005
2006	1.52 AT 04:02 CST ON MAR 30	0.839 ON MAR 30	0B ON MAR 1	265	2006
2007	0.906 AT 19:49 CST ON APR 1	0.3795 ON MAR 30	0 ON MAR 1	283	2007
2008	0.170 AT 16:53 CST ON MAR 31	0.132 ON MAR 31	0 ON MAR 1	43.3	2008
				648	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

OSCAR CREEK NEAR KRYDOR - STATION NO. 05CD002

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1968	---	---	---	---	---	---	---	---	---	---	---	---	---	1968
1969	---	---	0	1.35	---	---	---	---	---	---	---	---	---	1969
1970	---	---	0	1.23	---	---	---	---	---	---	---	---	---	1970
1971	---	---	0	---	---	---	---	---	---	---	---	---	---	1971
1972	---	---	0	2.29	---	---	---	---	---	---	---	---	---	1972
1973	---	---	---	---	---	---	---	---	---	---	---	---	---	1973
1974	---	---	---	---	---	---	---	---	---	---	---	---	---	1974
1975	---	---	---	---	---	---	---	---	---	---	---	---	---	1975
1976	---	---	---	---	---	---	---	---	---	---	---	---	---	1976
1977	---	---	---	---	---	---	---	---	---	---	---	---	---	1977
1978	---	---	0.048	0.151	0.123	0.048	0.003	0.012	0.022	0.042	---	---	0.058	1978
1979	---	---	0.021	0.388	0.887	0.184	0.018	0.008	0.008	0.127	---	---	0.217	1979
1980	---	---	0.012	0.182	0.008	0.008	0.005	0.008	0.003	0.015	---	---	0.028	1980
1981	---	---	0.034	0.103	0.030	0.038	0.071	0.043	0.003	0.003	---	---	0.038	1981
1982	---	---	0.045	0.178	0.039	0.088	0.078	0.044	0.003	0.007	---	---	0.080	1982
1983	---	---	0.048	0.515	0.258	0.017	0.027	0.002	0.001	0.008	---	---	0.108	1983
1984	---	---	0.048	0.073	0.087	0.087	0.011	0.017	0.010	0.050	---	---	0.043	1984
1985	---	---	0	2.88	1.88	0.037	0.007	0.002	0.003	0.012	---	---	0.578	1985
1986	---	---	0.057	0.291	0.139	0.088	0.057	0.007	0.018	0.034	---	---	0.081	1986
1987	---	---	0.030	0.431	0.022	0.018	0.011	0.018	0.010	0.012	---	---	0.087	1987
1988	---	---	0.038	0.220	0.028	0.012	0.004	0.023	0.011	0.014	---	---	0.063	1988
MEAN	---	---	0.028	0.741	0.304	0.048	0.027	0.018	0.008	0.028	---	---	0.120	MEAN

LOCATION - LAT 52 48 27 N
LONG 107 07 41 W
DRAINAGE AREA, 240 km²
NATURAL FLOW

OSCAR CREEK NEAR KRYDOR - STATION NO. 05CD002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1968	---	---	---	---	1968
1969	---	4.38 ON APR 13	0 B ON MAR 1	---	1969
1970	---	3.33 ON APR 27	0 B ON MAR 1	---	1970
1971	---	---	0 B ON MAR 1	---	1971
1972	---	5.95 ON APR 13	0 B ON MAR 1	---	1972
1973	---	---	0 B ON MAY 2	---	1973
1974	---	---	0 ON APR 1	---	1974
1975	---	---	0 B ON MAR 10	---	1975
1976	---	---	0 B ON MAR 2	---	1976
1977	---	---	0 ON JUL 13	1 190	1977
1978	1.59 AT 08:40 CST ON MAY 17	1.55 B ON APR 25	0 ON JUL 19	4 580	1978
1979	---	0.7888 ON APR 15	0.001 ON AUG 24	817	1979
1980	---	0.233 ON AUG 4	0 ON AUG 15	830	1980
1981	1.85 AT 19:50 CST ON AUG 5	0.8188 ON APR 15	0 ON MAY 7	1 260	1981
1982	2.738 AT 13:06 CST ON APR 18	1.72 B ON APR 25	0 ON JUN 18	2 300	1982
1983	2.69 AT 12:31 CST ON MAY 25	0.440 ON MAY 19	0 ON JUL 3	902	1983
1984	10.8 AT 08:07 CST ON APR 22 *	10.1 ON APR 22 *	0 B ON MAR 1	12 300	1984
1985	1.518 AT 08:17 CST ON APR 10	0.8868 ON MAR 31	0.0018 ON MAR 8	1 710	1985
1986	1.82 AT 11:56 CST ON SEP 11	0.9178 ON APR 8	0 ON MAY 8	1 430	1986
1987	1.188 AT 07:20 CST ON APR 5	0.7868 ON APR 3	0.001 ON JUL 21	810	1987
1988				2 850	1988
MEAN					MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

OTHERSIDE RIVER AT OUTLET OF MERCREDI LAKE - STATION NO. 07LE004

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1976	---	---	---	---	---	---	15.2	18.2	17.8	20.4	15.4	12.8	---	1976
1977	10.8	10.8	10.8	16.7	24.8	24.2	21.3	20.2	24.8	20.4	17.8	12.8	18.1	1977
1978	11.7	11.5	11.1	12.4	28.2	20.2	18.3	18.4	19.8	18.4	15.3	13.7	18.1	1978
1979	13.8	12.0	11.7	11.9	22.0	20.2	13.5	12.2	13.1	17.7	16.1	15.3	14.8	1979
1980	10.5	10.9	11.5	15.7	14.4	10.7	8.47	8.02	8.42	10.5	10.8	7.40	10.9	1980
1981	8.00	7.78	8.57	9.87	28.7	14.5	11.3	8.14	7.15	8.81	8.89	8.48	10.7	1981
1982	4.81	4.47	4.70	8.88	26.4	15.8	10.5	10.8	13.8	13.0	10.7	8.77	11.2	1982
1983	8.81	8.78	8.70	12.5	17.5	18.9	12.7	13.8	15.8	16.8	14.8	10.4	13.0	1983
1984	10.2	10.4	9.66	16.9	18.2	18.2	17.5	18.4	23.7	22.5	19.9	15.8	18.8	1984
1985	13.5	15.4	14.0	14.1	39.8	28.1	19.0	14.8	19.1	19.1	15.9	13.3	18.5	1985
1986	13.4	13.9	13.3	16.8	32.4	21.8	23.4	19.7	17.8	17.5	14.5	13.3	18.2	1986
1987	13.1	13.2	12.5	17.4	31.0	21.0	17.4	17.1	19.4	18.0	17.6	15.0	17.7	1987
1988	13.3	14.2	13.2	13.5	28.6	22.0	18.8	17.9	23.3	21.8	18.8	17.2	18.8	1988
MEAN	10.8	11.1	10.8	13.9	28.8	18.1	15.9	14.9	17.2	17.3	15.8	12.2	15.4	MEAN

LOCATION - LAT 58 55 40 N
LONG 107 28 20 W
DRAINAGE AREA, 2 700 km²
NATURAL FLOW

OTHERSIDE RIVER AT OUTLET OF MERCREDI LAKE - STATION NO. 07LE004

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1976	---	32.6R ON OCT 21	---	---	1976
1977	31.6 AT 17:59 CST ON MAY 3	31.0R ON MAY 3	0.868B ON FEB 3	571 000	1977
1978	---	30.7E ON MAY 10	10.9 RB ON MAR 11	508 000	1978
1979	33.6 AT 18:31 CST ON MAY 24	33.4 ON MAY 24	8.62B ON DEC 18	486 000	1979
1980	32.8 AT 00:08 CST ON APR 27	32.8 ON APR 27	8.34 ON DEC 28	343 000	1980
1981	31.8 AT 18:52 CST ON MAY 12	31.6 ON MAY 12	8.12B ON DEC 31	336 000	1981
1982	38.3 AT 17:21 CST ON MAY 7	38.0 ON MAY 7	4.14 ON MAR 4 °	352 000	1982
1983	31.1 AT 08:36 CST ON MAY 2	31.0 ON APR 30	8.05 ON JAN 17	410 000	1983
1984	36.0 AT 14:54 CST ON SEP 7	35.8 ON SEP 7	8.05 ON MAR 18	526 000	1984
1985	52.0 AT 10:12 CST ON MAY 11 °	51.7 ON MAY 13 °	12.4 ON DEC 18	693 000	1985
1986	36.1 AT 17:30 CST ON MAY 14	35.9 ON MAY 15	12.8 ON JAN 8	574 000	1986
1987	35.3 AT 18:51 CST ON MAY 8	35.1 ON MAY 8	12.0 ON MAR 7	550 000	1987
1988	34.8 AT 11:47 CST ON MAY 17	34.4 ON MAY 18	12.0 ON APR 1	588 000	1988
				485 000	MEAN

B - ICE CONDITIONS
E - ESTIMATED
° - EXTREME RECORDED FOR THE PERIOD OF RECORD
R - REVISED SINCE JAN 01 1987

OVERFLOWING RIVER NEAR HUDSON BAY - STATION NO. 05LD003

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1965	---	---	---	---	8.11	---	---	---	---	---	---	---	---	1965
1972	---	---	---	---	14.1	5.89	---	---	---	---	---	---	---	1972
1973	---	---	---	---	6.80	---	---	---	---	---	---	---	---	1973
1974	---	---	---	4.48	10.9	4.19	---	---	---	---	---	---	---	1974
1975	---	---	0.258	2.73	7.31	4.29	1.21	0.511	1.21	0.938	---	---	2.30	1975
1976	---	---	0.080	1.74	0.847	4.18	1.50	0.902	0.280	0.248	---	---	1.23	1976
1977	---	---	0.003	1.02	1.08	0.334	0.220	0.838	1.11	0.837	---	---	0.603	1977
1978	---	---	0	1.31	3.12	1.24	0.810	1.72	2.02	2.14	---	---	1.51	1978
1979	---	---	0.123	2.06	10.3	4.05	0.384	0.038	0.144	0.493	---	---	2.21	1979
1980	---	---	0.100	1.12	0.301	0.240	1.11	0.908	0.880	1.11	---	---	0.884	1980
1981	---	---	0.118	0.704	0.732	0.295	0.410	0.571	0.228	1.02	---	---	0.628	1981
1982	---	---	0	0.807	1.41	2.71	1.07	0.838	0.884	1.03	---	---	1.04	1982
1983	---	---	0.178	1.45	2.42	5.11	0.52	0.871	2.10	1.23	---	---	2.48	1983
1984	---	---	0.188	4.74	7.27	3.88	0.312	0.044	0.177	1.10	---	---	2.20	1984
1985	---	---	0.147	3.88	3.41	2.00	1.04	0.851	0.404	0.784	---	---	1.53	1985
1986	---	---	0.058	1.99	4.78	1.48	0.500	0.359	0.205	0.597	---	---	1.28	1986
1987	---	---	0.071	3.31	1.33	1.05	2.48	0.829	0.504	0.788	---	---	1.28	1987
1988	---	---	0.884	3.87	8.02	0.458	0.503	0.384	0.934	0.785	---	---	1.38	1988
MEAN	---	---	0.100	3.26	4.84	2.57	1.27	0.852	0.748	1.01	---	---	1.48	MEAN

LOCATION - LAT 53 01 51 N
LONG 102 18 58 W
DRAINAGE AREA, 350 km^2
NATURAL FLOW

OVERFLOWING RIVER NEAR HUDSON BAY - STATION NO. 05LD003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1965	---	---	---	---	1965
1972	---	---	---	---	1972
1973	---	---	---	---	1973
1974	---	---	---	---	1974
1975	---	11.0 ON APR 30	0.1429 ON MAR 1	48 700	1975
1976	11.0 AT 20:15 CST ON JUN 25	10.8 ON JUN 26	0.004 ON SEP 26	26 000	1976
1977	---	2.41A ON APR 19	0.0038 ON MAR 1	14 000	1977
1978	7.11 AT 11:47 CST ON MAY 1	6.99 ON MAY 1	0 B ON MAR 1 °	31 800	1978
1979	25.5 E AT 20:35 CST ON MAY 18 °	24.1 A ON MAY 18 °	0.002 ON SEP 2	48 800	1979
1980	2.83 AT 14:05 CST ON APR 21	2.43 ON APR 21	0.003 ON JUN 23	14 800	1980
1981	4.14 AT 13:00 CST ON OCT 13	3.81 ON OCT 15	0.024 ON JUL 13	13 200	1981
1982	7.53 AT 02:06 CST ON JUN 3	6.99 ON JUN 2	0 B ON MAR 1	22 000	1982
1983	17.5 AT 17:32 CST ON JUL 6	15.6 ON JUL 6	0.0585 ON APR 15	52 800	1983
1984	19.4 AT 03:14 CST ON MAY 22	18.3 ON MAY 21	0.001 ON AUG 31	48 700	1984
1985	9.08 AT 18:17 CST ON APR 23	8.71 ON APR 23	0.0539 ON MAR 7	32 400	1985
1986	7.55 AT 02:38 CST ON MAY 17	7.48 ON MAY 17	0.037 ON SEP 2	28 400	1986
1987	---	4.88 ON JUL 4	0.0058 ON MAR 27	28 700	1987
1988	11.9 AT 22:56 CST ON MAY 2	11.5 ON MAY 3	0 ON AUG 17	28 800	1988
				30 800	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
° - EXTREME RECORDED FOR THE PERIOD OF RECORD

OXARAT CREEK AT WYLIE'S RANCH - STATION NO. 11AC009

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1909	---	---	---	---	---	---	---	0.100	0.080	0.085	---	---	---	1909
1910	---	---	---	0.184	0.071	0.042	0.023	0.020	0.018	0.018	---	---	0.048	1910
1911	---	---	---	0.380	0.118	0.082	0.042	0.025	0.047	0.023	---	---	0.094	1911
1912	---	---	---	---	0.224	0.132	0.053	0.032	0.031	0.015	---	---	---	1912
1913	---	---	---	0.776	0.129	0.130	0.058	0.032	0.030	0.022	---	---	0.188	1913
1914	---	---	---	0.216	0.085	0.085	0.022	0.015	0.018	0.024	---	---	0.062	1914
1915	---	---	---	0.864	0.112	0.070	0.062	0.040	0.031	0.026	---	---	0.184	1915
1916	---	---	0.892	0.289	0.186	0.408	0.185	0.072	0.080	0.042	---	---	0.172	1916
1917	---	---	---	---	1.28	0.014	0.032	0.007	0	0	---	---	---	1917
1918	---	---	---	0.589	0.042	0.011	0.003	0.010	0.567	0.007	---	---	0.085	1918
1919	---	---	0.001	0.077	0.005	0.003	0.001	0.002	0.015	0.014	---	---	0.017	1919
MEAN	---	---	0.447	0.428	0.224	0.094	0.049	0.032	0.037	0.022	---	---	0.105	MEAN

LOCATION - LAT 49 28 48 N, LONG 109 35 47 W DRAINAGE AREA, 140 km² NATURAL FLOW

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1915 AND 1918

OXARAT CREEK AT WYLIE'S RANCH - STATION NO. 11AC009

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1909	---	---	---	---	1909
1910	---	0.340 ON APR 1	0.018 ON JUL 8	812	1910
1911	---	0.535 ON APR 7	0.023 ON AUG 13	1 740	1911
1912	---	---	---	---	1912
1913	---	1.42 E ON APR 1	0.015 ON SEP 14	3 050	1913
1914	---	0.552 ON APR 6	0.007 ON JUL 29	1 140	1914
1915	---	7.38 ON APR 3 *	0.015 ON OCT 27	3 410	1915
1916	---	0.906 ON JUN 13	0.037 ON OCT 16	3 190	1916
1917	---	---	0 ON JUN 6 *	---	1917
1918	---	2.48 ON APR 10	0 ON JUL 25	1 780	1918
1919	---	0.830E ON APR 3	0 ON JUL 4	308	1919
MEAN				1 940	MEAN

E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

PASATO RIVER AT OUTLET OF PASATO LAKE - STATION NO. 05EA007

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1973	---	---	---	---	---	---	---	---	---	---	3.83	4.47	---	1973
1974	4.01	3.36	2.64	3.08	9.78	9.27	7.81	5.63	4.78	4.16	3.63	3.84	5.14	1974
1975	3.04	2.67	2.09	1.95	5.17	11.4	14.0	10.3	5.07	3.26	2.31	2.31	5.32	1975
1976	2.67	2.16	1.83	1.90	2.21	5.17	23.6	28.2	11.6	7.36	5.23	5.11	8.00	1976
1977	3.73	2.92	2.38	4.11	12.1	21.0	11.4	6.44	3.28	2.77	2.43	2.72	6.20	1977
1978	2.58	2.11	1.66	1.46	3.81	8.30	4.84	5.09	6.83	9.82	7.63	5.28	4.86	1978
1979	3.60	2.66	2.26	1.86	3.26	6.81	5.73	4.05	3.84	4.80	5.71	4.86	4.11	1979
1980	3.83	2.81	2.32	2.47	3.47	2.72	2.30	2.62	3.80	7.03	7.55	5.58	3.85	1980
1981	3.06	2.78	2.36	2.11	5.53	7.46	4.76	2.34	1.67	0.881	0.813	0.601	2.93	1981
1982	0.020	0	0	2.18	7.81	14.1	10.0	12.7	12.4	7.00	3.84	2.61	6.05	1982
1983	1.78	1.65	1.61	1.93	3.98	6.87	8.33	8.21	20.6	17.9	9.58	8.08	7.40	1983
1984	3.84	2.88	2.27	3.88	9.87	8.46	3.84	3.88	6.14	9.70	5.83	4.83	4.78	1984
1985	3.68	2.88	2.57	2.70	16.3	16.8	10.4	6.85	4.17	2.89	2.22	1.88	6.13	1985
1986	1.69	1.59	1.54	1.76	8.57	10.6	9.48	8.87	4.71	3.18	2.37	2.12	4.88	1986
1987	1.84	1.85	1.71	2.07	8.18	8.18	4.47	2.33	1.28	0.817	0.431	0.112	2.84	1987
1988	0	0	0	2.02	7.48	5.82	4.07	2.25	1.84	1.88	1.90	1.88	2.48	1988
MEAN	2.87	2.17	1.80	2.44	5.78	9.30	8.32	8.80	8.41	5.35	4.16	3.27	4.88	MEAN

LOCATION - LAT 55 05 40 N, LONG 102 30 30 W DRAINAGE AREA, 981 km² NATURAL FLOW

PASAYO RIVER AT OUTLET OF PASAYO LAKE - STATION NO. 05EA007

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1973	---	---	---	---	
1974	11.4 AT 03:36 CST ON MAY 22	11.3 ON MAY 21	2.14 ON MAR 26	182 000	1973
					1974
1975	15.7 AT 00:54 CST ON JUL 2	14.8 ON JUL 20	1.71 ON APR 3	188 000	1975
1976	31.7 AT 01:10 CST ON AUG 3 *	31.4 ON AUG 3	1.86 ON APR 7	253 000	1976
1977	24.1 AT 23:34 CST ON JUN 3	23.4 ON JUN 8	2.10 ON APR 11	196 000	1977
1978	10.8 AT 19:41 CST ON OCT 14	10.4 ON OCT 14	1.33 ON APR 7	156 000	1978
1979	7.30 AT 16:38 CST ON JUN 25	7.04 ON JUN 20	1.70 ON APR 13	130 000	1979
1980	8.84 AT 10:16 CST ON NOV 7	8.63 ON OCT 31	1.90 ON APR 13	122 000	1980
1981	8.21 AT 22:18 CST ON JUN 28	7.98A ON JUN 27	0.134B ON OCT 28	92 500	1981
1982	17.0 AT 19:55 CST ON AUG 21	17.0 ON AUG 21	0 B ON JAN 6 *	191 000	1982
1983	---	37.5 E ON SEP 21 *	1.49 B ON FEB 3	233 000	1983
1984	9.11 AT 00:09 CST ON SEP 23	8.83A ON SEP 22	1.86 ON MAR 15	151 000	1984
1985	20.4 AT 17:24 CST ON MAY 23	20.2 ON MAY 23	1.70 ON DEC 28	183 000	1985
1986	11.5 AT 03:13 CST ON JUN 12	11.3 ON JUN 12	1.46 ON APR 4	144 000	1986
1987	10.2 AT 13:05 CST ON JUN 2	8.38 ON JUN 2	0 B ON DEC 27	89 800	1987
1988	8.82 AT 06:04 CST ON MAY 8	8.61 ON MAY 9	0 B ON JAN 1	78 800	1988
				157 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

PAGE CREEK NEAR IPPLEY - STATION NO. 05EG005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1971	---	---	---	---	---	---	---	---	---	---	---	---	---	1971
1973	---	---	---	---	0.383	---	---	---	---	---	---	---	---	1973
1974	---	---	---	---	1.08	---	---	---	---	---	---	---	---	1974
1975	---	---	0	0.730	0.887	0.217	0.021	0.008	0.028	0.041	---	---	0.218	1975
1976	---	---	0	0.277	0.082	0.029	0.088	0.031	0.001	0	---	---	0.084	1976
1977	---	---	0	0.105	0.083	0.097	0	0	0	0	---	---	0.037	1977
1978	---	---	0	0.731	0.477	0.104	0	0	0	0	---	---	0.183	1978
1979	---	---	0	3.24	2.80	0.118	0.003	0	0	0	---	---	0.778	1979
1980	---	---	0	0.621	0.083	0.001	0.005	0.023	0.002	0.013	---	---	0.118	1980
1981	---	---	0.083	2.53	0.380	0.088	0.011	0.008	0	0.010	---	---	0.380	1981
1982	---	---	0.013	1.19	0.380	0.117	0.475	0.253	0.108	0.034	---	---	0.318	1982
1983	---	---	0.008	2.80	0.458	0.238	0.447	0.008	0.001	0.008	---	---	0.488	1983
1984	---	---	0.888	1.38	0.438	0.487	0.003	0	0.001	0.018	---	---	0.282	1984
1985	---	---	0.002	8.52	2.59	0.083	0.005	0.001	0	0.001	---	---	1.38	1985
1986	---	---	0.841	1.56	0.182	0.083	0.208	0.187	0.003	0	---	---	0.277	1986
1987	---	---	0.008	1.72	0.082	0.039	0.043	0.074	0.015	0.007	---	---	0.245	1987
MEAN	---	---	0.018	1.85	0.888	0.128	0.102	0.048	0.012	0.010	---	---	0.384	MEAN

LOCATION - LAT 52 58 28 N
LONG 108 08 17 W
DRAINAGE AREA, 921 km^2
NATURAL FLOW

PAGE CREEK NEAR IPPLEY - STATION NO. 05EG005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1971	---	5.15 ON APR 17	---	---	1971
1973	---	1.29 B ON APR 14	---	---	1973
1974	---	---	---	---	1974
1975	---	2.88 ON APR 28	0 B ON MAR 1 *	4 580	1975
1976	---	0.849B ON APR 11	0 B ON MAR 1	1 380	1976
1977	---	0.868B ON APR 14	0 B ON MAR 1	774	1977
1978	---	2.36 ON APR 12	0 B ON MAR 1	3 440	1978
1979	---	18.0 E ON MAY 1	0 B ON MAR 1	15 900	1979
1980	2.86 AT 18:03 CST ON APR 19	2.80 ON APR 19	0 B ON MAR 1	2 470	1980
1981	4.42 AT 17:47 CST ON APR 2	3.81 ON APR 2	0 ON JUN 28	5 040	1981
1982	---	3.26 E ON APR 23	0.008B ON MAR 25	5 750	1982
1983	9.98 AT 08:15 CST ON APR 21	8.41 ON APR 21	0 B ON MAR 1	5 540	1983
1984	3.48 AT 17:30 CST ON APR 7	3.44 ON APR 7	0 ON JUL 7	5 190	1984
1985	33.9 AT 10:35 CST ON APR 22 *	28.5 ON APR 22 *	0 B ON MAR 1	28 300	1985
1986	5.36 AT 14:36 CST ON APR 6	4.76 ON APR 6	0 B ON MAR 1	5 670	1986
1987	5.98 AT 12:19 CST ON APR 7	5.63 ON APR 6	0 B ON MAR 1	5 180	1987
				7 710	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

PARSONAGE DITCH NEAR BATTLE CREEK - STATION NO. 11AB053

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1915	---	---	0	0	0	0	0	0	0	0	---	---	0	1915
MEAN	---	---	0	0	0	0	0	0	0	0	---	---	0	MEAN

LOCATION - LAT 49 3[illegible] 40 N
LONG 109 51 00 W
REGULATED

REMARKS - NO WATER WAS DIVERTED FROM 1916-37

PARSONAGE DITCH NEAR BATTLE CREEK - STATION NO. 11AB053

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1915	---	0 ON MAR 1 *	0 ON MAR 1 *	0	1915
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		0	MEAN

PASQUIA RIVER AT HIGHWAY NO. 9 - STATION NO. 05KJ014

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1973	---	---	---	---	---	---	---	---	---	---	---	---	---	1973
1974	---	---	0.088	1.34	4.72	1.48	0.380	0.788	1.27	0.420	---	---	---	1974
										0.780	---	---	1.38	
1975	---	---	0.048	0.564	4.81	2.76	0.380	0.884	0.488	0.288	---	---	1.25	1975
1976	---	---	0.018	0.798	0.388	2.48	0.888	0.448	0.181	0.212	---	---	0.881	1976
1977	---	---	0.008	0.818	1.80	0.220	0.187	0.801	0.410	0.301	---	---	0.843	1977
1978	---	---	0	0.437	2.20	1.17	0.488	1.34	0.884	0.824	---	---	0.826	1978
			0.010	0.108	4.04	1.48	0.280	0.034	0.085	0.192	---	---	0.778	1979
1980	---	---	0.002	0.773	0.248	0.081	0.477	0.224	0.278	0.444	---	---	0.313	1980
1981	---	---	0	0.128	0.798	0.405	1.01	0.208	0.213	1.14	---	---	0.488	1981
1982	---	---	0	0.881	1.38	1.11	0.388	0.148	0.814	0.448	---	---	0.882	1982
1983	---	---	0	0.828	1.82	1.26	1.24	0.188	1.33	0.480	---	---	0.838	1983
1984	---	---	0.878	2.18	2.88	1.47	0.198	0.028	0.088	0.787	---	---	0.881	1984
1985	---	---	0.028	1.27	2.17	0.788	0.385	0.258	0.188	0.333	---	---	0.871	1985
1986	---	---	0.018	0.708	1.81	0.528	0.382	0.348	0.508	0.898	---	---	0.823	1986
1987	---	---	0.028	0.888	0.804	0.837	1.87	0.477	0.258	0.487	---	---	0.870	1987
1988	---	---	0.078	0.278	2.89	0.243	0.128	0.218	0.458	0.273	---	---	0.585	1988
MEAN	---	---	0.028	0.781	2.18	1.09	0.887	0.388	0.478	0.513	---	---	0.780	MEAN

LOCATION - LAT 53 18 20 N LONG 102 08 15 W DRAINAGE AREA, 74.3 km^2 NATURAL FLOW

PASQUIA RIVER AT HIGHWAY NO. 9 - STATION NO. 05KJ014

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1973	---	---	---	---	1973
1974	13.3 AT 21:11 CST ON MAY 27	8.60 ON MAY 28	0.0238 ON APR 12	28 700	1974
1975	---	---	---	---	
1976	---	14.7 E ON MAY 20 *	---	---	
1977	11.8 AT 13:23 CST ON JUN 24	11.3 ON JUN 24	0.014 ON APR 18	26 400	1978
1978	7.38 AT 15:37 CST ON MAY 18	5.72 ON MAY 18	0.5148 ON MAR 1	14 000	1976
1979	---	5.818 ON MAY 4	0.0038 ON MAR 1	11 600	1977
	15.7 AT 20:46 CST ON MAY 28	14.0 ON MAY 28	0 B ON MAR 1 *	18 700	1978
1980	---	---	0.001 ON SEP 1	16 400	1979
1981	---	4.118 ON APR 22	---	---	
1982	8.40 AT 08:03 CST ON JUL 18	5.47 ON JUL 18	0.0018 ON MAR 1	6 820	1980
1983	5.17 AT 00:21 CST ON JUN 2	4.788 ON APR 30	0 B ON MAR 1	10 400	1981
1984	4.70 AT 03:15 CST ON APR 26	3.87 ON APR 26	0 B ON MAR 1	12 300	1982
	15.8 AT 10:26 CST ON MAY 16 *	11.9 ON MAY 16	0 B ON MAR 1	17 700	1983
1985	8.00 AT 19:33 CST ON MAY 6	---	0.001 ON SEP 3	20 400	1984
1986	4.88 AT 08:22 CST ON SEP 27	7.03 ON MAY 6	---	---	
1987	12.2 AT 21:38 CST ON JUL 1	4.48 ON SEP 27	0.0208 ON MAR 1	14 200	1985
1988	8.50 AT 18:41 CST ON MAY 1	7.80 ON JUL 2	0.0088 ON MAR 6	13 200	1986
		5.90 ON MAY 1	0.0198 ON MAR 18	14 200	1987
			0.001 ON AUG 10	12 400	1988
	B - ICE CONDITIONS E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		15 800	MEAN

PATTERSON DITCH NEAR BATTLE CREEK - STATION NO. 11AB054

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1919	--- *	---	0	0	0.022	0.811	0	0	0	0	---	---	0.004	1919
1920	---	---	0	0.088	0	0	0	0	0	0	---	---	0.008	1920
1921	---	---	0.008	0.001	0	0	0.003	0	0	0	---	---	0.002	1921
1922	---	---	0	0.028	0.018	0	0	0	0	0	---	---	0.005	1922
1923	---	---	0	0	0.047	0	0	0	0	0	---	---	0.554	1923
1924	---	---	0	0	0	0	0.004	0.005	0.005	0	---	---	0.002	1924
1925	---	---	0	0.007	0	0	0	0	0	0	---	---	0.001	1925
1926	---	---	0	0	0	0	0	0	0	0	---	---	0	1926
1927	---	---	0	0.028	0	0	0	0	0	0	---	---	0.003	1927
1928	---	---	0	0	0	0	0	0	0	0	---	---	0	1928
1929	---	---	0	0	0	0	0	0	0	0	---	---	0	1929
1930	---	---	0	0	0	0	0	0	0	0	---	---	0	1930
1931	---	---	0	0	0.013	0.084	0	0	0	0	---	---	0.013	1931
MEAN	---	---	0.001	0.010	0.008	0.008	0.001	0	0	0	---	---	0.003	MEAN

LOCATION - LAT 49 28 00 N LONG 109 50 30 W REGULATED

PATTERSON DITCH NEAR BATTLE CREEK - STATION NO. 11AB054

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1919	---	0.059 ON MAY 12	0 ON MAR 1 *	66.1	1919
1920	---	0.351 ON APR 14 *	0 ON MAR 1	188	1920
1921	---	0.130 ON MAR 11	0 ON MAR 1	23.6	1921
1922	---	0.286 ON APR 30	0 ON MAR 1	106	1922
1923	---	0.113 ON MAY 17	0 ON MAR 1	126	1923
1924	---	0.031 ON JUL 26	0 ON MAR 1	36.9	1924
1925	---	0.207 ON APR 6	0 ON MAR 1	17.9	1925
1926	---	0 ON MAR 1	0 ON MAR 1	0	1926
1927	---	0.278 ON APR 27	0 ON MAR 1	66.6	1927
1928	---	0 ON MAR 1	0 ON MAR 1	0	1928
1929	---	0 ON MAR 1	0 ON MAR 1	0	1929
1930	---	0 ON MAR 1	0 ON MAR 1	0	1930
1931	---	0.311 ON JUN 14	0 ON MAR 1	280	1931
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		71.1	MEAN

PEARSE DITCH NEAR RAVENSCRAG - STATION NO. 11AC047

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1915	---	---	---	---	0	0	0	---	---	---	---	---	---	1915
1916	---	---	---	---	0	0	0	---	---	---	---	---	---	1916
1917	---	---	---	---	---	---	---	---	---	---	---	---	---	1917
1920	---	---	---	---	---	---	---	---	---	---	---	---	---	1920
1921	---	---	0	0	0	0.012	0.008	0	0	0	---	---	0.003	1921
1922	---	---	0	0	0.001	0.020	0.014	0	0	0	---	---	0.004	1922
1923	---	---	0	0	0.007	0.063	0.026	0	0	0	---	---	0.012	1923
1924	---	---	0	0	0.010	0.025	0.017	0	0	0	---	---	0.008	1924
1925	---	---	0	0	0.010	0.033	0.005	0	0	0	---	---	0.008	1925
1926	---	---	0	0	0.008	0.026	0.020	0	0	0	---	---	0.008	1926
1927	---	---	0	0	0	0.008	0.043	0	0	0	---	---	0.008	1927
1928	---	---	0	0	0.019	0.034	0	0	0	0	---	---	0.007	1928
1929	---	---	0	0	0	0.035	0.026	0	0	0	---	---	0.008	1929
1930	---	---	0	0	0.005	0.034	0.018	0	0	0	---	---	0.007	1930
1931	---	---	0	0	0.004	0.018	0	0	0	0	---	---	0.002	1931
MEAN	---	---	0	0	0.005	0.024	0.014	0	0	0	---	---	0.006	MEAN

LOCATION - LAT 48 32 10 N
LONG 105 01 30 W REGULATED

PEARSE DITCH NEAR RAVENSCRAG - STATION NO. 11AC047

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1915	---	---	0 ON MAY 1 *	---	1915
1916	---	---	0 ON MAY 1	---	1916
1917	---	---	0 ON JUL 25	---	1917
1920	---	---	0 ON OCT 13	---	1920
1921	---	0.034 ON JUL 28	0 ON MAR 1	84.4	1921
1922	---	0.031 ON MAY 31	0 ON MAR 1	80.5	1922
1923	---	0.068 ON JUN 14	0 ON MAR 1	253	1923
1924	---	0.071 ON JUN 7	0 ON MAR 1	135	1924
1925	---	0.061 ON MAY 30	0 ON MAR 1	124	1925
1926	---	0.093 ON JUL 1	0 ON MAR 1	126	1926
1927	---	0.133 ON JUL 4 *	0 ON MAR 1	137	1927
1928	---	0.061 ON JUN 18	0 ON MAR 1	138	1928
1929	---	0.070 ON JUN 18	0 ON MAR 1	169	1929
1930	---	0.059 ON JUN 20	0 ON MAR 1	161	1930
1931	---	0.328 ON MAY 28	0 ON MAR 1	91.0	1931
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		131	MEAN

PELLETIER CREEK NEAR DUNCAIRN - STATION NO. 08HD028

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1944	---	---	0.337	0.375	0.208	0.188	0.089	0.087	0.170	0.130	---	---	0.188	1944
1945	---	---	0.488	0.182	0.088	0.032	0.005	0.010	0.011	0.035	---	---	0.103	1945
1946	---	---	0.478	0.088	0.038	0.028	0.018	0.014	0.015	0.039	---	---	0.091	1946
1947	---	---	0.084	0.462	0.062	0.083	0.338	0.188	0.844	0.022	---	---	0.165	1947
1948	---	---	0.071	0.420	0.143	0.058	0.022	0.021	0.003	0.018	---	---	0.084	1948
1949	---	---	0.098	0.119	0.044	0.027	0.038	0	0.804	0.018	---	---	0.043	1949
1950	---	---	0.037	1.01	0.070	0.062	0.073	0.014	0.010	0.031	---	---	0.181	1950
1951	---	---	0	0.858	0.432	0.197	0.085	0	0.096	0.078	---	---	0.188	1951
1952	---	---	0.140	3.04	0.501	0.088	0.057	0.048	0.051	0.026	---	---	0.467	1952
1953	---	---	0.614	0.240	0.331	0.321	0.203	0.128	0.178	0.038	---	---	0.231	1953
1954	---	---	0.067	0.809	0.124	0.277	0.040	0.021	0.043	0.040	---	---	0.150	1954
MEAN	---	---	0.202	0.852	0.183	0.122	0.075	0.047	0.058	0.041	---	---	0.171	MEAN

LOCATION - LAT 50 08 20 N DRAINAGE AREA, 180 km^2
LONG 107 57 20 W REGULATED

PELLETIER CREEK NEAR DUNCAIRN - STATION NO. 05MD029

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1944	---	2.55 B ON MAR 31	0.023 ON AUG 14	3 990	1944
1945	---	2.18 B ON MAR 11	0 B ON MAR 1 *	2 190	1945
1946	---	2.83 B ON MAR 12	0.003 ON JUL 28	1 930	1946
1947	---	1.06 B ON APR 10	0 B ON MAR 1	3 080	1947
1948	---	1.27 B ON APR 18	0 B ON MAR 1	1 880	1948
1949	---	0.351 ON APR 8	0 B ON MAR 1	912	1949
1950	---	4.42 B ON APR 14	0 B ON MAR 1	3 400	1950
1951	---	1.87 B ON APR 25	0 B ON MAR 1	4 010	1951
1952	---	10.7 ON APR 15 *	0.011 ON OCT 23	10 300	1952
1953	---	3.71 B ON MAR 30	0 B ON MAR 1	4 890	1953
1954	---	3.06 B ON APR 9	0.008 ON JUL 25	3 170	1954
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		3 820	MEAN

PETAIGAN RIVER BELOW PETAIGAN SCHOOL - STATION NO. 05KD002

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1955	---	---	0	24.0	4.52	0.043	0.012	0	0	0	---	---	3.62	1955
1956	---	---	0	0.281	14.0	0.038	0.017	0	0	0	---	---	1.81	1956
1957	---	---	0	5.80	0.812	0.011	0	0	0	0	---	---	0.913	1957
1958	---	---	0	2.45	0.062	0	0	0	0	0	---	---	0.308	1958
1959	---	---	0	2.98	0.125	0.005	0.001	0	0	0	---	---	0.380	1959
1960	---	---	0	3.81	0.141	0.028	0	0	0	0	---	---	0.488	1960
1961	---	---	0	1.30	0.018	0.001	0	0	0	0	---	---	0.182	1961
MEAN	---	---	0	5.81	2.81	0.018	0.004	0	0	0	---	---	1.06	MEAN

LOCATION - LAT 53 31 00 N DRAINAGE AREA, 486 km^2
LONG 103 32 00 W NATURAL FLOW

PETAIGAN RIVER BELOW PETAIGAN SCHOOL - STATION NO. 05KD002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1955	---	52.48 ON APR 5	0B ON MAR 1 *	74 500	1955
1956	---	80.7 ON MAY 5 *	0B ON MAR 1	38 400	1956
1957	---	49.0 ON APR 24	0B ON MAR 1	19 300	1957
1958	---	22.6 ON APR 7	0B ON MAR 1	6 450	1958
1959	---	22.3 ON APR 12	0 ON MAR 1	8 040	1959
1960	---	18.7 ON APR 15	0B ON MAR 1	10 300	1960
1961	---	12.7 ON APR 18	0B ON MAR 1	3 420	1961
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		22 900	MEAN

PHEASANT CREEK NEAR ABERNETHY - STATION NO. 08JL005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1946	---	---	---	0.048	0.008	0	0	0	0	0	---	---	---	1946
1947	---	---	0	4.17	0.248	0.020	0.179	0	0	0	---	---	0.677	1947
1948	---	---	0	2.83	0.348	0.008	0	0	0	0	---	---	0.382	1948
1949	---	---	0	0.238	0	0	0	0	0	0	---	---	0.039	1949
1950	---	---	0.010	1.30	0.023	0	0	0	0	0	---	---	0.184	1950
1951	---	---	0	1.08	0.467	0.142	0	0	0	0	---	---	0.366	1951
1952	---	---	0.858	1.88	0.118	0	0	0	0	0	---	---	0.278	1952
1953	---	---	0.887	1.61	0.178	0.536	0.083	0.427	0.018	0.013	---	---	0.483	1953
1954	---	---	0	2.77	0.804	1.07	3.86	0.858	1.43	0.881	---	---	1.43	1954
1955	---	---	0.052	7.21	8.34	0.822	2.30	0.474	0.001	0.002	---	---	2.63	1955
1956	---	---	0	10.1	4.38	0.401	0.112	0.008	0.059	0.018	---	---	1.88	1956
1957	---	---	0.350	3.87	0.113	0.008	0.001	0.013	0.002	0.008	---	---	0.800	1957
1958	---	---	0.388	0.335	0.121	0.085	0.001	0	0	0	---	---	0.118	1958
1959	---	---	0.029	0.031	0.008	0	0	0	0	0	---	---	0.008	1959
1960	---	---	0	1.89	0.050	0.017	0.001	0	0	0	---	---	0.240	1960
1961	---	---	0	0	0	0	0	0	0	0	---	---	0	1961
1962	---	---	0	0.587	0	0	0	0	0	0	---	---	0.070	1962
1963	---	---	0.035	0	0	0	0.243	0.003	0	0	---	---	0.038	1963
1964	---	---	0.012	1.18	0.188	0.008	0	0	0	0	---	---	0.188	1964
1965	---	---	0	0.886	0.108	0.077	0.001	0	0	0	---	---	0.108	1965
1966	---	---	0.250	1.19	0.085	0.018	0.118	0	0	0	---	---	0.301	1966
1967	---	---	0	2.21	0.587	0.002	0	0	0	0	---	---	0.367	1967
1968	---	---	0.750	0.282	0.004	0	0	0	0	0	---	---	0.127	1968
1969	---	---	0	3.43	0.028	0.004	0.008	0	0	0	---	---	0.438	1969
1970	---	---	0	1.80	0.280	0.038	0	0	0	0	---	---	0.250	1970
1971	---	---	0	3.34	0.308	0.018	0.148	0	0	0	---	---	0.468	1971
1972	---	---	0.305	1.28	0.348	0.008	0	0	0	0	---	---	0.238	1972
1973	---	---	0.035	0.002	0.008	0.007	0.041	0	0	0	---	---	0.010	1973
1974	---	---	0	5.10	1.21	0.305	0.001	0.001	0.003	0.008	---	---	0.818	1974
1975	---	---	0	5.88	1.87	0.180	0.012	0.001	0.002	0.005	---	---	0.883	1975
1976	---	---	0.003	10.1	0.252	2.76	0.441	0	0	0	---	---	1.87	1976
1977	---	---	0.008	0.014	0.024	0.002	0.008	0	0	0	---	---	0.007	1977
1978	---	---	0.583	0.884	0.088	0.122	0.085	0.008	0	0.001	---	---	0.193	1978
1979	---	---	0.015	3.76	1.11	0.078	0	0	0	0	---	---	0.813	1979
1980	---	---	0.033	1.48	0.001	0	0	0	0	0	---	---	0.188	1980
1981	---	---	0.002	0.001	0.002	0.001	0.026	0.087	0	0	---	---	0.011	1981
1982	---	---	0.002	1.14	0.005	0	0.005	0	0	0	---	---	0.141	1982
1983	---	---	0	1.82	0.084	0.034	0.257	0.004	0.001	0.001	---	---	0.283	1983
1984	---	---	0.130	0.086	0.007	0.003	0	0	0	0.002	---	---	0.026	1984
1985	---	---	0.818	3.98	0.044	0.003	0	0	0.002	0.004	---	---	0.810	1985
1986	---	---	0.703	0.144	0.088	0.002	0	0	0	0	---	---	0.119	1986
1987	---	---	0.288	0.117	0	0	0	0	0	0	---	---	0.048	1987
1988	---	---	0.003	0.002	0.001	0	0	0	0	0	---	---	0.001	1988
MEAN	---	---	0.145	2.07	0.528	0.155	0.155	0.038	0.035	0.017	---	---	0.406	MEAN

LOCATION - LAT 50 44 00 N
LONG 103 19 41 W

DRAINAGE AREA, 1 150 km²
REGULATED

PHEASANT CREEK NEAR ABERNETHY - STATION NO. 05JL005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1946	...	...			
1947	...		0 ON MAY 30 *	...	1946
1948	...	16.1 ON APR 18	0B ON MAR 1		1947
1949	...	13.5 ON APR 21	0B ON MAR 1	14 300	1948
	...	2.44 ON APR 5	0B ON MAR 1	6 260	1949
1950	...			606	1949
1951	...	8.08 B ON APR 17	0B ON MAR 1		
1952	...	2.44 B ON APR 9	0B ON MAR 1	3 470	1950
1953	...	6.28 B ON MAR 29	0B ON MAR 1	4 430	1951
1954	...	14.6 B ON MAR 31	0B ON MAR 1	5 600	1952
	...	20.6 ON JUL 11	0B ON MAR 1	9 810	1953
1955	...			30 300	1954
1956	...	28.6 E ON MAY 4	0B ON MAR 1		
1957	...	36.6 ON APR 15	0B ON MAR 1	53 700	1955
1958	...	12.2 B ON APR 6	0B ON MAR 1	38 400	1956
1959	2.83 B AT 12:30 CST ON MAR 29	2.44 B ON MAR 29	0B ON MAR 1	10 800	1957
	...	0.1139 ON MAR 26	0B ON MAR 1	2 480	1958
1960	...			180	1959
1961	...	9.84 A ON APR 7	0B ON MAR 1		
1962	6.10 AT 16:00 CST ON APR 15	0.003A ON MAR 22	0B ON MAR 1	5 070	1960
1963	7.15 AT 19:00 CST ON JUL 9	3.96 ON APR 16	0B ON MAR 1	0.52	1961
1964	4.86 B AT 03:00 CST ON APR 8	3.36 ON JUL 10	0B ON MAR 1	1 470	1962
		3.96 B ON APR 8	0B ON MAR 1	756	1963
1965	...			3 520	1964
1966	...	6.81 A ON APR 13	0 ON MAR 1		
1967	10.6 AT 22:00 CST ON APR 16	6.24 ON APR 2	0B ON MAR 1	2 220	1965
1968	...	10.5 ON APR 17	0B ON MAR 1	4 260	1966
1969	19.1 AT 20:00 CST ON APR 11	3.51 ON MAR 26	0B ON MAR 1	7 350	1967
		16.0 ON APR 12	0B ON MAR 1	2 700	1968
1970	11.5 AT 22:00 CST ON APR 6	8.34 ON APR 7	0B ON MAR 1	8 000	1969
1971	19.5 B AT 18:04 CST ON APR 8	14.8 ON APR 10	0B ON MAR 1	5 290	1970
1972	4.73 B AT 07:38 CST ON APR 11	4.05 B ON APR 11	0B ON MAR 1	8 820	1971
1973	0.614 AT 13:14 CST ON JUL 3	0.438 ON JUL 4	0B ON MAR 1	5 040	1972
1974	38.2 AT 11:12 CST ON APR 19	38.0 ON APR 19	0B ON MAR 1	218	1973
				17 300	1974
1975	34.8 AT 08:16 CST ON APR 28	31.7 ON APR 28	0B ON MAR 1		
1976	48.0 AT 14:00 CST ON APR 8 *	47.3 B ON APR 8 *	0B ON MAR 1	20 800	1975
1977	0.229 AT 04:47 CST ON JUL 13	0.088 ON MAY 21	0B ON MAR 1	35 200	1976
1978	7.08 B AT 21:18 CST ON MAR 27	4.50 B ON MAR 31	0B ON MAR 1	141	1977
1979	28.1 B AT 21:07 CST ON APR 20	18.2 B ON APR 21	0B ON MAR 1	4 080	1978
				13 000	1979
1980	9.51 B AT 21:47 CST ON APR 4	8.88 B ON APR 5	0B ON MAR 1		
1981	0.660 AT 15:04 CST ON JUL 30	0.238 ON JUL 31	0 ON MAY 20	3 830	1980
1982	12.7 B AT 21:06 CST ON APR 12	10.3 B ON APR 13	0B ON MAR 1	236	1981
1983	18.5 AT 12:40 CST ON APR 21	16.3 ON APR 21	0B ON MAR 1	2 880	1982
1984	0.8408 AT 07:08 CST ON MAR 24	0.8408 ON MAR 24	0B ON MAR 1	5 880	1983
				548	1984
1985	27.2 AT 15:51 CST ON APR 3	21.3 ON APR 3	0B ON MAR 1		
1986	3.87 B AT 14:24 CST ON MAR 17	3.03 B ON MAR 17	0B ON MAR 1	12 800	1985
1987	2.62 B AT 23:30 CST ON MAR 28	1.22 B ON MAR 27	0B ON MAR 1	2 520	1986
1988	0.020 AT 22:00 CST ON MAY 15	0.007 ON APR 3	0B ON MAR 1	1 010	1987
				12.4	1988
				5 590	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

PHEASANT CREEK NEAR BLACKWOOD - STATION NO. 05JL003

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1941	...	...	0.018	0.887	0.089	0.007	0.002	0.006	0.003	0	...	...	0.124	1941
1942	...	...	0.060	2.87	0.078	0.084	0.088	0.029	...	...	...	...	...	1942
1943	...	...	0.114	3.77	0.303	0.071	0.018	0.019	0.004	0.003	...	...	0.528	1943
1944	...	...	0	0.309	0.011	0.014	...	...	...	...	...	...	...	1944
1945	...	...	0.008	0.008	0.004	0	0	0	0	0	...	...	0.002	1945
MEAN	...	...	0.042	1.83	0.098	0.031	0.026	0.014	0.002	0.001	...	...	0.218	MEAN

LOCATION - LAT 50 35 00 N, LONG 103 26 00 W
DRAINAGE AREA, 1 400 km^2
NATURAL FLOW

PHEASANT CREEK NEAR BLACKWOOD - STATION NO. 05JL003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1941	...	...			
1942	...	3.20 ON APR 8	0B ON MAR 1 *	2 830	1941
1943	...	12.3 ON APR 4 *	0B ON MAR 1	...	1942
1944	...	12.3 ON APR 8	0 ON MAR 1	11 200	1943
		...	0B ON MAR 1	...	1944
1945	...	0.0088 ON MAR 1	0 ON MAY 28	46.8	1945
				4 830	MEAN

B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

PIAPOT CREEK NEAR PIAPOT - STATION NO. 05HA003

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1904	---	---	---	---	---	---	---	0.036	0.018	0.026	---	---	---	1904
1905	---	---	---	---	0.488	1.11	0.483	0.088	0.078	0.078	---	---	---	1905
1910	---	---	---	0.120	0.030	0.022	0.018	0.022	0.027	0.026	---	---	---	1910
1911	---	---	---	---	0.182	0.086	0.136	0.086	0.183	0.107	---	---	---	1911
1912	---	---	---	---	0.530	0.393	0.111	0.105	0.083	0.076	---	---	---	1912
1913	---	---	---	1.80	0.182	0.051	0.030	0.013	0.012	0.030	---	---	---	1913
1914	---	---	---	0.178	0.044	0.018	0.002	0.001	0.021	0.061	---	---	---	1914
1915	---	---	---	0.165	0.084	0.262	0.327	0.083	0.078	0.104	---	---	---	1915
1916	---	---	0.810	0.300	0.026	0.046	0.878	0.253	0.081	0.188	---	---	0.488	1916
1917	---	---	---	1.73	0.087	0.148	0.024	0.026	0.034	0.044	---	---	---	1917
1918	---	---	---	0.828	0.208	0.044	0.021	0.011	0.011	0.031	---	---	---	1918
1919	---	---	0.086	0.308	0.110	0.018	0.004	0.001	0.007	0.020	---	---	0.088	1919
1936	---	---	0.026	0.328	0.039	0.014	---	---	---	---	---	---	---	1936
1982	---	---	0.035	0.013	0.001	0.010	0.032	0.001	0	0	---	---	0.011	1982
1984	---	---	0.012	0.052	0.188	0.052	0.001	0	0.011	0.028	---	---	0.043	1984
1985	---	---	0.014	0.234	0.313	0.128	0.241	0.019	0.000	0.046	---	---	0.221	1985
1986	---	---	0.206	0.254	0.144	0.171	0.037	0.043	0.015	0.024	---	---	0.118	1986
1987	---	---	0.066	0.438	0.877	0.078	0.018	0.008	0.025	0.024	---	---	0.278	1987
1988	---	---	0.318	0.108	0.088	0.050	0.007	0.015	0.025	0.017	---	---	0.078	1988
1989	---	---	0.306	0.886	0.231	0.024	0.060	0.008	0.005	0.040	---	---	0.174	1989
1970	---	---	0.002	0.506	0.000	0.230	0.063	0.008	0.015	0.024	---	---	0.181	1970
1971	---	0.000	0.118	0.407	0.142	0.120	0.004	0	0.006	0.014	---	---	0.101	1971
1972	---	---	0.108	0.028	0.183	0.013	0.012	0.004	0.004	0.021	---	---	0.048	1972
1973	---	---	0.042	0.136	0.088	0.122	---	---	---	---	---	---	---	1973
MEAN	---	0.000	0.180	0.438	0.278	0.178	0.108	0.038	0.028	0.048	---	---	0..48	MEAN

LOCATION - LAT 49 54 45 N, LONG 109 15 40 W DRAINAGE AREA, 122 km² REGULATED

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1971

PIAPOT CREEK NEAR PIAPOT - STATION NO. 05HA003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1904	---	---		---	1904
1905	---	15.6 ON JUN 21 *	0 ON JUL 24 *	---	1905
1910	---	---	---	---	1910
1911	---	---	---	---	1911
1912	---	---	---	---	1912
1913	---	3.84 ON APR 1	---	---	1913
1914	---	0.8218 ON MAR 18	---	---	1914
1915	---	2.10 ON JUN 1	---	---	1915
1916	---	13.8 ON JUL 27	0.046 ON SEP 20	8 690	1916
1917	---	3.88 ON APR 22	---	---	1917
1918	---	3.84 ON MAR 28	---	---	1918
1919	---	0.738 ON APR 18	0 ON JUN 26	1 400	1919
1936	1.31 ON APR 12	1.31 ON APR 12	---	---	1936
1982	---	0.314 ON JUL 1	0 ON MAY 6	243	1982
1984	---	1.24 ON MAY 6	0 B ON MAR 16	932	1984
1985	---	2.23 ON APR 28	0 B ON MAR 16	4 880	1985
1986	---	0.7838 ON MAR 13	0 ON AUG 4	2 830	1986
1987	---	3.27 ON MAY 16	0 ON SEP 2	8 810	1987
1988	---	0.4838 ON MAR 8	0 ON JUN 7	1 810	1988
1989	---	3.31 ON APR 7	0 ON AUG 14	3 890	1989
1970	---	2.44 ON MAY 5	0 B ON MAR 1	3 830	1970
1971	---	0.8038 ON MAR 30	0 B ON MAR 24	2 140	1971
1972	3.11 AT 21:15 CST ON MAY 26 *	2.03 ON MAY 27	0 B ON MAR 1	961	1972
1973	---	---	---	---	1973
MEAN				3 130	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

PINTO CREEK NEAR WOODROW - STATION NO. 05JA004

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1975	---	---	0	3.50	2.23	0.021	0	0	0	0	---	---	0.714	1975
1976	---	---	18.5	1.04	0.037	0	0	0	0	0	---	---	2.33	1976
1977	---	---	0	0	0	0	0	0	0	0	---	---	0	1977
1978	---	---	9.76	3.47	0.113	0.152	0.472	0.029	0.023	0.033	---	---	1.88	1978
1979	---	---	5.06	5.85	0.825	0.048	0.002	0	0	0	---	---	1.50	1979
1980	---	---	1.36	1.81	0.006	0	0	0	0	0	---	---	0.407	1980
1981	---	---	0.201	0.002	0	0	0	0	0	0	---	---	0.026	1981
1982	---	0	5.66	5.28	0.336	1.02	0.037	0.031	0	0	---	---	1.81	1982
1983	---	0	0.026	0.560	0.062	0.018	0	0	0	0	---	---	0.084	1983
1984	---	---	0.003	0	0	0	0	0	0	0	---	---	0	1984
1985	---	---	0.360	0.026	0.006	0	0	0	0	0	---	---	0.123	1985
1986	---	0.019	8.02	0.126	0.360	0.018	0.001	0	0	0	---	---	1.08	1986
1987	---	0	0	0.313	0.033	0.001	0	0	0	0	---	---	0.043	1987
1988	---	---	0	0	0	0	0	0	0	0	---	---	0	1988
MEAN	---	0.006	3.35	1.84	0.287	0.083	0.037	0.004	0.045	0.002	---	---	0.722	MEAN

LOCATION - LAT 48 38 53 N, LONG 108 43 30 W DRAINAGE AREA, 1 670 km² NATURAL FLOW

PINTO CREEK NEAR WOODROW - STATION NO. 05JA004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1975	21.7 AT 15:45 CST ON APR 27	17.3 ON APR 27	0E ON MAR 1 *	15 100	1975
1976	138 AT 11:04 CST ON MAR 23 *	111 ON MAR 23 *	0E ON MAR 1	49 200	1976
1977	0 B AT 00:00 CST ON MAR 1	0 B ON MAR 1	0E ON MAR 1	0	1977
1978	58.6 AT 13:11 CST ON MAR 26	54.6 ON MAR 26	0E ON MAR 1	28 600	1978
1979	36.7 B AT 13:26 CST ON MAR 22	25.3 B ON MAR 22	0E ON MAR 1	31 600	1979
1980	14.6 AT 18:32 CST ON APR 1	13.2 ON APR 2	0E ON MAR 1	8 600	1980
1981	---	1.15 B ON MAR 1	0 ON APR 18	548	1981
1982	27.4 AT 06:21 CST ON APR 3	25.0 ON APR 3	0E ON MAR 1	40 300	1982
1983	5.75 AT 00:31 CST ON APR 5	5.35 ON APR 5	0 ON JUN 20	1 780	1983
1984	0.0828 AT 18:49 CST ON MAR 20	0.0328 ON MAR 20	0E ON MAR 1	6.61	1984
1985	8.86 AT 21:04 CST ON APR 3	8.34 ON APR 4	0E ON MAR 1	2 810	1985
1986	38.6 B AT 17:20 CST ON MAR 3	37.3 B ON MAR 3	0 ON JUL 18	22 800	1986
1987	3.61 AT 17:11 CST ON APR 8	3.02 ON APR 9	0E ON MAR 1	904	1987
1988	0 B AT 00:00 CST ON MAR 1	0 B ON MAR 1	0E ON MAR 1	0	1988
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		15 300	MEAN

PIPESTONE CREEK ABOVE MOOSOMIN LAKE - STATION NO. 05NE003

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1980	---	---	0	4.41	0.567	0.350	0.003	0	0	0	---	---	0.859	1980
1981	---	---	0	0.014	0.007	0	0	0	0	0	---	---	0.003	1981
1982	---	---	0	0.100	0.007	0	0	0	0	0	---	---	0.013	1982
1983	---	---	0.882	0.210	0.081	0.470	0.322	0.220	0.001	0.005	---	---	0.275	1983
1984	---	---	0	1.82	0.584	0.004	0.008	0	0	0.002	---	---	0.274	1984
1985	---	---	0	3.74	0.510	0.830	0.158	0.048	0.333	0.284	---	---	0.728	1985
1986	---	---	0.370	2.55	0.847	0.288	0.200	0.088	0.078	0.089	---	---	0.588	1986
1987	---	---	0	3.03	0.932	0.085	0	0	0	0	---	---	0.488	1987
1988	---	---	0.830	0.186	0.048	0.004	0	0	0	0	---	---	0.108	1988
1989	---	---	0	6.12	0.916	0.062	0.188	0	0	0	---	---	1.14	1989
1970	---	---	0	4.62	3.84	0.531	0.147	0.081	0.004	0	---	---	1.16	1970
1971	---	---	0	2.89	0.621	0.337	0.189	0.001	0	0	---	---	0.488	1971
1972	---	---	2.03	3.02	0.712	0.277	0.205	0.037	0	0	---	---	0.782	1972
1973	---	---	0.133	0.116	0.185	0.217	0.141	0.016	0.042	0.018	---	---	0.109	1973
1986	---	---	---	---	---	---	---	---	---	---	---	---	---	1986
1987	---	---	0.787	3.53	0.036	0.001	0.008	0.002	0.005	0	---	---	0.540	1987
1988	---	---	0	0.003	0.222	0.031	0	0	0	0	---	---	0.031	1988
MEAN	---	---	0.303	2.37	0.858	0.218	0.089	0.030	0.028	0.025	---	---	0.482	MEAN

LOCATION - LAT 50 09 07 N LONG 101 50 06 W
DRAINAGE AREA, 2 730 km^2
NATURAL FLOW

PIPESTONE CREEK ABOVE MOOSOMIN LAKE - STATION NO. 05NE003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1980	---	24.7 ON APR 10	0E ON MAR 1 *	13 900	1980
1981	---	0.028E ON APR 4	0 ON MAR 1	53.2	1981
1982	---	0.244E ON APR 17	0E ON MAR 1	278	1982
1983	---	4.45 B ON MAR 25	0E ON MAR 1	5 820	1983
1984	---	7.45 B ON APR 8	0E ON MAR 1	5 750	1984
1985	---	28.9 ON APR 15	0E ON MAR 1	15 400	1985
1986	---	6.74 B ON APR 3	0E ON MAR 1	12 000	1986
1987	---	11.4 B ON APR 10	0E ON MAR 1	10 800	1987
1988	---	1.42 B ON MAR 6	0E ON MAR 1	2 310	1988
1989	---	34.5 B ON APR 12 *	0E ON MAR 1	24 100	1989
1970	---	17.3 B ON APR 11	0E ON MAR 1	24 800	1970
1971	---	8.01 B ON APR 7	0E ON MAR 1	10 800	1971
1972	---	8.81 B ON MAR 22	0E ON MAR 1	18 800	1972
1973	---	0.406E ON MAR 19	0E ON MAR 1	2 300	1973
1986	---	---	0 ON JUL 3	---	1986
1987	---	13.1 E ON APR 8	0E ON MAR 1	11 400	1987
1988	0.873 AT 07:55 CST ON MAY 5 *	0.815 ON MAY 5	0E ON MAR 1	854	1988
	B - ICE CONDITIONS E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		9 770	MEAN

PIPESTONE CREEK NEAR MOOSOMIN - STATION NO. 05NE001

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1958	---	---	0.107	5.48	0.480	0.042	0.102	0.065	0.251	0.556	---	---	0.671	1958
1959	---	---	0.092	0	0	0	0.015	0.100	0.177	0	---	---	0.048	1959
1960	---	---	0.507	5.55	0.222	0.704	0.388	0.218	0.250	1.65	---	---	1.20	1960
1961	---	---	0.322	0.063	0.021	0.001	0	0.030	0.047	0.018	---	---	0.067	1961
1962	---	---	0.041	0.068	0.007	0	0	0	0	0.004	---	---	0.015	1962
1963	---	---	0.015	0.384	0.205	0.521	0.442	0.130	0.187	0.168	---	---	0.240	1963
1964	---	---	0.091	3.22	1.51	0.111	0.074	0	0.008	0.415	---	---	0.689	1964
1965	---	---	0.120	5.07	0.370	0.654	0.107	0.015	0.093	0.348	---	---	1.07	1965
1966	---	---	1.07	5.28	1.21	0.502	0.201	0.028	0.106	0.104	---	---	1.17	1966
1967	---	---	0.482	5.04	1.71	0.078	0.009	0	0.248	0.018	---	---	0.837	1967
1968	---	---	1.01	0.458	0.088	0.040	0	0.134	0.078	0	---	---	0.226	1968
1969	---	---	0.795	10.2	1.02	0.133	2.36	0.063	0.022	0.132	---	---	2.65	1969
1970	---	---	0.172	6.37	5.94	0.807	0.321	0.284	0.475	0.408	---	---	2.19	1970
1971	---	---	0.145	3.87	0.281	0.186	0.462	0.067	0.238	0.125	---	---	0.873	1971
1972	---	---	4.03	5.37	0.468	0.304	0.078	0.184	0.314	0.388	---	---	1.39	1972
1973	---	---	0.188	0.235	0.053	0.143	0.087	0.063	0.281	0.554	---	---	0.185	1973
1974	---	---	0.481	10.5	7.54	1.62	0.217	0.026	0.127	0.481	---	---	3.66	1974
1975	---	---	0.331	11.2	10.0	3.36	0.123	0.186	5.65	3.36	---	---	4.25	1975
1976	---	---	0.540	53.5	4.36	0.59	1.15	0.464	2.06	1.36	---	---	5.80	1976
1977	---	---	0.301	0.735	0.151	0.037	0.002	0	0.537	0.183	---	---	0.251	1977
1978	---	---	0.147	4.40	0.044	0.040	0.031	0.187	0.244	0.203	---	---	0.882	1978
1979	---	---	0.185	9.75	5.55	0.750	0.243	0.095	0.203	0.464	---	---	3.13	1979
1980	---	---	0.133	2.82	0.093	0.148	0.172	0.014	0.080	0.142	---	---	0.418	1980
1981	---	---	0.519	0.163	0.000	0.077	0.012	0.000	0.013	0.107	0.152	---	0.120	1981
1982	---	---	0.014	5.52	0.718	0.084	0.108	0.148	0.128	0.377	---	---	0.875	1982
1983	---	---	0.077	10.7	2.46	0.484	0.043	0.245	0.347	0.012	0.012	0.363	1.78	1983
1984	0.148	0.087	0.053	0.018	0.007	0.004	0.002	0.287	0.187	0.127	---	---	0.080	1984
1985	---	---	0.838	7.20	0.858	0.081	0.034	0.085	0.148	0.288	---	---	1.14	1985
1986	---	---	0.07	1.21	2.32	0.333	0.123	0.988	0.081	0.848	---	---	1.38	1986
1987	---	---	0.982	5.18	0.017	0.014	0.018	0.015	0.255	0.228	---	---	0.825	1987
1988	---	---	0.131	0.078	0.008	0.008	0.003	0.008	0.223	0.114	---	---	0.070	1988
MEAN	0.148	0.087	0.840	5.36	1.87	0.831	0.228	0.103	0.458	0.438	0.082	0.362	1.28	MEAN

LOCATION - LAT 50 02 40 N
LONG 101 40 33 W

DRAINAGE AREA, 3 650 km²
REGULATED

PIPESTONE CREEK NEAR MOOSOMIN - STATION NO. 05NE001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1958	---	21.3 ON APR 3	0 ON MAY 29 *	18 400	1958
1959	---	3.11 ON AUG 25	0 ON MAR 25	1 010	1959
1960	---	22.7 ON APR 11	0 ON MAY 3	25 400	1960
1961	---	0.652 ON APR 8	0 ON MAY 27	1 420	1961
1962	---	0.2632 ON MAR 26	0 ON MAR 1	313	1962
1963	---	0.691 ON JUL 6	0 ON MAR 1	5 080	1963
1964	---	10.4 B ON APR 12	0 ON MAY 1	14 200	1964
1965	---	22.0 ON APR 16	0 ON AUG 23	22 700	1965
1966	---	20.0 ON APR 2	0.000 ON AUG 20	24 800	1966
1967	---	16.1 ON APR 12	0 ON APR 6	10 900	1967
1968	---	2.85 ON MAR 18	0 ON MAR 1	4 760	1968
1969	---	71.1 ON APR 14	0 B ON MAR 1	64 000	1969
1970	---	31.7 ON MAY 1	0 B ON MAR 1	46 300	1970
1971	---	12.5 ON APR 11	0.037 ON OCT 16	14 200	1971
1972	---	18.7 ON MAR 23	0.057 ON JUL 14	29 300	1972
1973	---	0.880 ON OCT 20	0.008 ON JUL 21	4 130	1973
1974	71.4 AT 04:09 CST ON APR 20	70.5 ON APR 20	0.024E ON SEP 3	75 800	1974
1975	48.7 AT 06:42 CST ON APR 28	48.2 ON APR 30	0.113E ON AUG 10	90 000	1975
1976	188 AT 15:58 CST ON APR 10 *	179 ON APR 10 *	0.065E ON JUL 10	159 000	1976
1977	1.98 AT 14:09 CST ON APR 17	1.31 ON APR 17	0 ON JUL 8	6 300	1977
1978	---	11.0 RE ON APR 6	0.003 ON JUN 22	14 000	1978
1979	48.9 B AT 14:41 CST ON APR 24	48.8 RB ON APR 24	0.041R ON SEP 28	46 200	1979
1980	11.1 AT 02:51 CST ON APR 10	9.90 ON APR 9	0.001 ON JUL 8	8 810	1980
1981	---	1.42 ON MAR 1	0.001 ON MAY 31	2 580	1981
1982	26.8 AT 23:32 CST ON APR 17	25.6 ON APR 18	0.012B ON MAR 1	16 500	1982
1983	36.6 AT 03:23 CST ON APR 24	35.7 ON APR 24	0.001 ON SEP 26	37 600	1983
1984	0.871 AT 04:28 CST ON AUG 20	0.834 ON AUG 20	0 ON APR 6	1 680	1984
1985	20.8 AT 04:20 CST ON APR 7	20.5 ON APR 7	0.003B ON MAR 1	24 100	1985
1986	21.0 AT 21:21 CST ON MAR 22	18.1 ON MAR 23	0.042 ON SEP 26	26 800	1986
1987	22.6 AT 07:38 CST ON APR 6	22.2 ON APR 6	0.001 ON JUL 22	17 400	1987
1988	0.458 AT 04:00 CST ON SEP 12	0.424 ON OCT 5	0 ON MAY 26	1 490	1988
				27 300	MEAN

B - ICE CONDITIONS
E - ESTIMATED

* - EXTREME RECORDED FOR THE PERIOD OF RECORD
R - REVISED SINCE JAN 01 1987

PIPESTONE CREEK NEAR ROSE VALLEY - STATION NO. 05LA004

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1966	---	---	---	6.76	3.54	---	---	---	---	---	---	---	---	1966
1967	---	---	---	1.06	4.97	---	---	---	---	---	---	---	---	1967
1968	---	---	0.437	1.14	---	---	---	---	---	---	---	---	---	1968
1969	---	---	---	4.08	---	---	---	---	---	---	---	---	---	1969
1970	---	---	---	3.87	---	---	---	---	---	---	---	---	---	1970
1971	---	---	---	5.08	---	---	---	---	---	---	---	---	---	1971
1972	---	---	---	---	5.46	---	---	---	---	---	---	---	---	1972
1973	---	---	---	0.869	0.931	1.48	---	---	---	---	---	---	---	1973
1976	---	---	0	7.86	1.48	0.698	0.425	0	0	0	---	---	1.27	1976
1977	---	---	0	1.95	0.576	0.161	0	0	0	0	---	---	0.330	1977
1978	---	---	0.008	3.15	0.597	0.076	0.161	0.125	0.010	0.015	---	---	0.511	1978
1979	---	---	0	7.45	12.4	1.38	0.167	0.041	0	0	---	---	2.86	1979
1980	---	---	0	1.86	0.312	0.002	0	0	0	0	---	---	0.262	1980
1981	---	---	0.086	2.69	0.126	0	0	0	0	0	---	---	0.329	1981
1982	---	---	0	1.24	0.537	0.178	0.029	0	0	0	---	---	0.245	1982
1983	---	---	0	0.862	1.44	0.847	0.106	0.086	0.010	0.032	---	---	0.387	1983
1984	---	---	0	3.75	0.815	0.388	0.024	0	0	0	---	---	0.814	1984
1985	---	---	0	10.2	2.19	0.287	0.001	0	0	0	---	---	1.65	1985
1986	---	---	0.087	5.83	0.215	0	0	0	0	0	---	---	0.749	1986
1987	---	---	0	3.86	0.074	0	0	0	0	0	---	---	0.488	1987
1988	---	---	0	7.84	0.424	0.041	0	0	0	0	---	---	0.995	1988
MEAN	---	---	0.041	4.10	2.12	0.374	0.070	0.018	0.002	0.004	---	---	0.801	MEAN

LOCATION - LAT 52 17 21 N
LONG 103 40 20 W

DRAINAGE AREA, 843 km²
REGULATED

PIPESTONE CREEK NEAR ROSE VALLEY - STATION NO. 05LA004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1966	---	---	---	---	1966
1967	---	---	---	---	1967
1968	---	---	---	---	1968
1969	---	---	---	---	1969
1970	---	---	---	---	1970
1971	---	---	---	---	1971
1972	---	---	---	---	1972
1973	---	---	---	---	1973
1976	---	17.0 ON APR 15	0.0 ON MAR 1	28 600	1976
1977	7.11 AT 03:55 CST ON APR 15	7.02 ON APR 15	0.0 ON MAR 1	6 880	1977
1978	---	5.05A ON APR 14	0.0 ON MAR 1	10 600	1978
1979	44.9 AT 01:51 CST ON APR 29 o	44.1 ON APR 29 o	0.0 ON MAR 1	56 700	1979
1980	5.23 AT 16:14 CST ON APR 15	5.05 ON APR 15	0.0 ON MAR 1	5 8[illegible]	1980
1981	---	5.20E ON APR 3	0.0 ON MAR 1	6 [illegible]	1981
1982	4.58B AT 16:08 CST ON APR 18	4.44B ON APR 18	0.0 ON MAR 1	5 200	1982
1983	4.93 AT 22:17 CST ON APR 28	4.82 ON APR 28	0.0 ON MAR 1	6 400	1983
1984	8.07 AT 06:37 CST ON APR 8	8.02 ON APR 8	0.0 ON MAR 1	13 000	1984
1985	28.0 AT 05:05 CST ON APR 15	27.2 ON APR 15	0.0 ON MAR 1	32 800	1985
1986	15.0 AT 15:21 CST ON APR 9	14.9 ON APR 9	0.0 ON MAR 1	15 800	1986
1987	17.6 AT 06:12 CST ON APR 9	17.3 ON APR 9	0.0 ON MAR 1	9 700	1987
1988	---	25.9 E ON APR 10	0.0 ON MAR 1	21 000	1988
				19 800	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
o - EXTREME RECORDED FOR THE PERIOD OF RECORD

PIPESTONE RIVER BELOW ROTARIU LAKE - STATION NO. 07LB003

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1978	---	---	---	---	5.81	4.73	3.97	4.05	4.49	4.78	4.14	3.87	---	1978
1979	3.65	3.64	3.66	3.72	5.37	4.76	4.34	3.78	3.74	4.01	3.81	3.24	3.88	1979
1980	3.45	3.04	3.18	4.14	3.76	2.90	2.82	3.05	2.65	3.02	2.36	1.72	3.08	1980
1981	1.86	1.72	2.49	2.61	6.42	3.77	2.88	2.37	1.84	1.74	1.81	1.81	2.64	1981
1982	1.28	1.33	1.18	1.82	4.08	3.83	3.65	5.10	4.11	2.88	2.51	2.40	2.88	1982
1983	2.48	2.38	3.31	4.58	5.00	5.28	4.23	3.85	4.57	3.82	2.97	2.14	3.78	1983
1984	2.19	2.47	2.36	4.22	4.37	4.61	3.75	4.25	3.78	3.20	2.76	2.29	3.38	1984
1985	2.45	2.44	2.62	3.35	6.18	4.85	3.49	3.04	3.85	3.03	3.18	2.40	3.64	1985
1986	2.42	2.33	2.50	3.60	6.04	4.48	5.37	5.02	4.07	3.40	2.88	2.88	3.76	1986
1987	2.59	2.67	2.87	4.04	6.07	3.53	1.92	2.05	2.56	2.35	2.33	2.04	2.91	1987
1988	1.70	1.76	1.77	1.85	4.07	4.80	4.82	4.20	4.43	3.65	3.78	3.42	3.38	1988
MEAN	2.41	2.43	2.60	3.40	5.38	4.40	3.78	3.71	3.65	3.33	2.95	2.52	3.33	MEAN

LOCATION - LAT 58 16 15 N
LONG 106 07 45 W

DRAINAGE AREA, 986 km²
NATURAL FLOW

PIPESTONE RIVER BELOW ROTARIU LAKE - STATION NO. 07LB003

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1978	6.05 AT 16 24 CST ON MAY 8	5.900 ON MAY 8	---	---	1978
1979	6.76 AT 11 23 CST ON MAY 30	5.750 ON MAY 30	3.05 ON DEC 22	135 000	1979
1980	5.74 AT 16 10 CST ON APR 27	5.680 ON APR 27	1.47 B ON DEC 16	85 700	1980
1981	7.05 AT 16 20 CST ON MAY 10	7.04A ON MAY 10	1.48 ON FEB 22	83 400	1981
1982	5.78 AT 13 26 CST ON AUG 13	5.750 ON AUG 12	0.980 ON MAR 22 *	90 200	1982
1983	7.48 AT 14 14 CST ON JUN 16	7.30 ON JUN 17	1.84 ON DEC 30	118 000	1983
1984	5.95 AT 22 35 CST ON JUN 6	5.87 ON JUN 6	1.88 ON JAN 1	108 000	1984
1985	10.0 AT 01:08 CST ON MAY 8 *	10.4 ON MAY 8 *	1.81 ON JAN 3	118 000	1985
1986	6.83 AT 16 17 CST ON MAY 11	6.75 ON MAY 13	3.14 ON JAN 14	118 000	1986
1987	7.00 AT 00 40 CST ON MAY 6	6.78A ON MAY 6	1.73 ON JUL 14	81 800	1987
1988	5.81 AT 19 01 CST ON JUN 19	5.48 ON JUN 19	1.44 ON JAN 19	107 000	1988
				105 000	MEAN

A - MANUAL GAUGE
(SEE REFERENCE INDEX)

* - EXTREME RECORDED FOR THE PERIOD OF RECORD
B - REVISED SINCE JAN 01 1987

POLLOCK EAST DITCH NEAR SOUTH FORK - STATION NO. 05ND013

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1912	---	---	---	---	---	0.006	0.006	---	---	---	---	---	---	1912
1913	---	---	---	---	0.003	0.035	0.008	---	---	---	---	---	---	1913
1915	---	---	---	---	---	0.035	0.008	---	---	---	---	---	---	1915
1919	---	---	---	---	0.010	0.045	0.008	---	---	---	---	---	---	1919
1920	---	---	---	---	0.010	0.025	0.004	---	---	---	---	---	---	1920
1921	---	---	---	---	---	0.012	0.012	---	---	---	---	---	---	1921
1922	---	---	---	---	---	0.004	0.011	0.001	---	---	---	---	---	1922
1923	---	---	---	---	---	0.004	0.008	0.002	---	---	---	---	---	1923
MEAN	---	---	---	---	0.008	0.018	0.008	0.002	---	---	---	---	---	MEAN

LOCATION - LAT 49 34 35 N
LONG 100 48 27 W REGULATED

POLLOCK WEST DITCH FROM CYPRESS CREEK - STATION NO. 05NA051

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1915	---	---	---	---	---	---	---	---	---	---	---	---	---	1915
1916	---	---	---	0.015	0.027	---	---	---	---	---	---	---	---	1916
1917	---	---	---	---	0.007	0.013	0.006	0.025	---	---	---	---	---	1917
1919	---	---	---	---	---	---	---	---	---	---	---	---	---	1919
MEAN	---	---	---	0.015	0.017	0.013	0.006	0.025	---	---	---	---	---	MEAN

LOCATION - LAT 49 44 02 N
LONG 100 37 55 W REGULATED

POLLOCK WEST DITCH FROM CYPRESS CREEK - STATION NO. 05NA051

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1915	---	---	0 ON JUL 12 *	---	1915
1916	---	---	0 ON APR 1	---	1916
1917	---	---	0 ON MAY 1	---	1917
1919	---	---	0 ON JUN 21	---	1919
				---	MEAN

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

PONASS CREEK NEAR PONASS LAKE - STATION NO. 05NA008

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1919	---	---	---	0	0	0	0	0	0	0	---	---	0	1919
1920	---	---	---	0	0	0	0	0	0	0	---	---	0	1920
1921	---	---	---	---	0	0.005	0.025	0.026	0.010	0.021	---	---	---	1921
1922	---	---	---	0.058	0.067	0.060	0.048	0.033	0.025	0.005	---	---	0.050	1922
1923	---	---	---	0.036	0.027	0.029	0.048	0.048	0.026	0.008	---	---	0.031	1923
MEAN	---	---	---	0.031	0.023	0.018	0.025	0.021	0.014	0.007	---	---	0.020	MEAN

LOCATION - LAT 52 11 18 N DRAINAGE AREA, 250 km^2
LONG 103 58 11 W NATURAL FLOW

PONASS CREEK NEAR PONASS LAKE - STATION NO. 05AA008

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1919	---				
1920	---	0 E ON APR 1	0E ON APR 1 *	0	1919
1921	---	0 E ON APR 1	0E ON APR 1	0	1920
1922	---	---	0E ON APR 1	---	1921
1923	---	0.193 ON MAY 17 *	0 ON APR 28	830	1922
		0.1230 ON APR 10	0E ON APR 1	563	1923
			0E ON APR 1	376	MEAN

R - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

POPLAR RIVER ABOVE BOLSTER CREEK - STATION NO. 11AE016

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1980	---	---	---	---	---	---	---	---	---	0.044R	---	---	---	1980
MEAN	---	---	---	---	---	---	---	---	---	0.044R	---	---	---	MEAN

LOCATION - LAT 49 08 12 N
LONG 108 01 12 W
NATURAL FLOW
DATA CONTRIBUTED BY - HARDY ASSOCIATES (1978 LTD)
R - REVISED SINCE JAN 01 1987

POPLAR RIVER AT INTERNATIONAL BOUNDARY - STATION NO. 11AE005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1931	---	---	0.282	0.230	0.080	0.036	0.047	0.008	0.137	0.045	---	---	0.120	1931
1932	---	---	---	0.821	0.178	0.286	0.001	0.002	0.084	0.142	---	---	---	1932
1933	---	---	2.84	0.613	0.480	0.140	0.007	0.035	0.083	0.068	---	---	0.527	1933
1934	---	---	2.31	0.887	0.138	0.143	0.008	0.002	0.008	0.022	---	---	0.437	1934
1935	---	---	---	---	---	---	---	---	---	---	---	---	---	
1936	---	---	0.588	0.671	0.306	0.670	0.328	0.004	0.006	0.010	---	---	0.322	1935
1937	---	---	1.65	1.78	0.431	0.018	0.002	0	0.002	0.008	0.004	---	0.488	1936
1938	---	---	0.115	0.370	0.137	0.024	0.488	0.010	0.008	0.035	---	---	0.180	1937
1939	---	---	3.61	0.386	0.423	0.183	0.078	0.008	0.008	0.076	---	---	0.620	1938
			8.26	0.312	0.223	1.22	0.088	0.003	0.008	0.007	---	---	1.27	1939
1940	---	---	---	---	---	---	---	---	---	---	---	---	---	
1941	---	---	0.021	1.85	0.480	0.288	0.078	0.848	0.014	0.080	---	---	0.378	1940
1942	---	---	3.36	0.388	0.317	0.480	0.080	0.007	0.021	0.074	---	---	0.881	1941
1943	---	---	0.836	1.10	0.310	0.320	0.121	0.007	0.237	0.148	---	---	0.383	1942
1944	---	---	8.82	3.82	0.284	1.43	0.282	0.284	0.018	0.087	---	---	1.88	1943
			0.188	1.08	0.408	0.486	0.088	0.187	0.055	0.076	---	---	0.313	1944
1945	---	---	---	---	---	---	---	---	---	---	---	---	---	
1946	---	---	2.81	0.244	0.218	0.197	0.041	0.004	0.005	0.038	---	---	0.610	1945
1947	---	---	1.88	0.258	0.184	0.208	0.102	0.002	0.002	0.033	---	---	0.308	1946
1948	---	---	1.38	2.70	0.327	0.888	0.082	0.048	0.048	0.082	---	---	0.881	1947
1949	---	---	1.14	5.18	0.842	0.230	0.038	0.048	0.006	0.028	---	---	0.803	1948
			1.11	0.841	0.281	0.085	0.048	0.014	0.003	0.086	---	---	0.277	1949
1950	---	---	---	---	---	---	---	---	---	---	---	---	---	
1951	---	---	0	6.85	0.702	0.807	0.136	0.026	0.038	0.100	---	---	1.04	1950
1952	---	---	0	2.09	1.34	0.202	0.043	0.015	0.142	0.135	---	---	0.880	1951
1953	---	---	0.005	10.8	0.384	0.084	0.423	0.031	0.088	0.070	---	---	2.68	1952
1954	---	---	1.24	1.35	1.82	3.87	0.887	0.082	0.087	0.198	0.148	---	0.871	1953
			0.824	13.8	0.778	0.887	0.088	0.242	0.434	0.234	0.288	---	2.11	1954
1955	---	---	---	---	---	---	---	---	---	---	---	---	---	
1956	---	---	2.85	7.89	2.11	0.384	0.443	0.088	0.015	0.088	---	---	1.89	1955
1957	---	---	1.34	1.38	0.871	0.308	0.088	0.021	0.014	0.085	---	---	0.488	1956
1958	---	---	0.781	0.478	0.288	0.181	0.015	0.005	0.010	0.080	---	---	0.320	1957
1959	---	---	2.24	2.08	0.188	0.084	0.007	0.003	0.003	0.008	---	---	0.571	1958
			0.488	0.273	0.188	0.185	0.088	0.006	0.041	0.288	---	---	0.188	1959
1960	---	---	---	---	---	---	---	---	---	---	---	---	---	
1961	---	---	8.20	0.484	0.387	0.117	0.058	0.008	0.005	0.007	---	---	1.17	1960
1962	---	---	0.881	0.341	0.187	0.088	0.004	0	0.004	0.008	---	---	0.147	1961
1963	---	---	2.37	2.47	0.338	0.310	0.068	0.017	0.004	0.078	---	---	0.888	1962
1964	---	---	5.28	0.888	0.381	3.48	1.83	0.113	0.034	0.036	---	---	1.71	1963
			0.338	1.10	0.383	0.178	0.074	0.003	0.001	0.008	---	---	0.248	1964
1965	---	---	---	---	---	---	---	---	---	---	---	---	---	
1966	---	---	0	1.08	0.680	0.388	0.077	0.004	0.113	0.085	---	---	0.328	1965
1967	---	---	2.38	0.258	0.640	0.182	0.058	0.008	0.004	0.044	---	---	0.438	1966
1968	---	---	0.408	7.23	0.488	0.388	0.012	0	0.001	0.074	---	---	1.10	1967
1969	---	---	4.81	0.277	0.212	0.073	0.010	0.274	0.073	0.088	---	---	0.888	1968
			0.128	8.84	0.378	0.078	1.43	0.024	0.008	0.040	---	---	1.48	1969
1970	---	---	---	---	---	---	---	---	---	---	---	---	---	
1971	---	---	0.602	3.83	1.78	0.378	0.123	0.004	0.007	0.070	---	---	0.333	1970
1972	---	---	0.841	2.12	0.218	0.138	0.008	0.001	0.002	0.017	---	---	0.375	1971
1973	---	---	5.28	0.331	0.783	0.888	0.192	0.048	0.018	0.081	---	---	0.829	1972
1974	---	---	0.388	0.383	0.284	0.218	0.048	0.003	0.005	0.084	---	---	0.172	1973
			2.88	7.38	0.847	0.181	0.080	0.081	0.088	0.183	---	---	1.84	1974
1975	---	---	---	---	---	---	---	---	---	---	---	---	---	
1976	---	---	0.382	15.8	1.48	0.338	0.088	0.028	0.088	0.134	0.188	---	3.21	1975
1977	---	---	8.47	0.833	0.188	0.488	1.38	0.088	0.007	0.078	---	---	1.48	1976
1978	---	---	0.288	0.314	0.381	0.184	0.084	0.008	0.048	0.188	---	---	0.184	1977
1979	---	---	8.38	2.14	0.724	0.337	0.788	0.087	0.388	0.184	---	---	1.38	1978
			1.27	8.21	1.88	0.288	0.038	0.083	0.083	0.033	---	---	1.84	1979
1980	---	---	---	---	---	---	---	---	---	---	---	---	---	
1981	---	1.74	0.488	1.38	0.148	0.028	0.011	0.038	0.041	0.081	---	---	0.287	1980
1982	---	---	0.288	0.383	0.123	0.288	0.087	0.002	0.001	0.087	---	---	0.184	1981
1983	---	---	0.882	8.84	2.44	0.888	0.884	0.018	0.885	0.182	---	---	1.38	1982
1984	---	---	0.327	0.443	0.431	0.884	0.828	0.882	0.882	0.838	---	---	0.188	1983
			1.81	0.344	0.188	1.18	0.087	0.883	0.883	0.833	---	---	0.418	1984
1985	---	---	---	---	---	---	---	---	---	---	---	---	---	
1986	---	---	1.84	0.483	0.188	0.187	0.883	0.881	0.838	0.171	---	---	0.384	1985
1987	---	---	4.88	0.388	0.888	0.888	0.888	0.883	0.888	0.282	---	---	0.887	1986
1988	---	---	0.378	1.83	0.113	0.818	0.818	0.883	0.838	0.883	---	---	0.285	1987
			0.138	0.188	0.182	0.888	0.881	0	0	0.881	---	---	0.888	1988
MEAN	---	1.74	1.88	2.78	0.838	0.433	0.188	0.848	0.843	0.877	0.138	---	0.788	MEAN

LOCATION - LAT 48 58 35 N
LONG 108 41 48 W
DRAINAGE AREA, 938 km^2
NATURAL FLOW
INTERNATIONAL GAUGING STATION

POPLAR RIVER AT INTERNATIONAL BOUNDARY - STATION NO. 11AE006

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1931	4.80 AT 22:00 MST ON SEP 19	1.90 ON SEP 30	0.003 ON AUG 14	2 540	1931
1932	---	---	0 ON JUN 30 *	---	1932
1933	10.3 B AT 20:00 MST ON MAR 19	10.0 B ON MAR 19	0 ON JUL 28	11 200	1933
1934	5.27 AT 19:30 MST ON APR 3	4.13 ON APR 3	0 ON AUG 3	8 280	1934
1935	48.7 AT 20:00 MST ON JUN 15	4.70 ON APR 15	0 B ON MAR 1	6 820	1935
1936	11.3 ON APR 12	7.33 ON APR 13	0 B ON MAR 1	10 300	1936
1937	29.4 AT 15:00 MST ON JUL 13	3.17 ON JUL 13	0 B ON MAR 1	3 180	1937
1938	21.1 B AT 21:00 MST ON MAR 16	17.6 ON MAR 17	0.003 ON AUG 28	13 100	1938
1939	169 AT 21:00 ON MAR 21	85.1 ON MAR 22	0 ON MAR 1	27 000	1939
1940	28.0 AT 07:00 MST ON AUG 2	12.5 B ON APR 14	0.003 ON JUL 5	7 850	1940
1941	12.0 B AT 14:30 MST ON MAR 26	11.0 B ON MAR 23	0 B ON MAR 1	12 800	1941
1942	11.2 B AT 16:00 MST ON APR 4	5.10 B ON APR 3	0 B ON MAR 1	6 230	1942
1943	88.3 AT 04:00 MST ON MAR 30	72.6 ON MAR 30	0.0038 ON MAR 1	39 100	1943
1944	---	5.80 B ON APR 2	0 B ON MAR 1	6 820	1944
1945	---	5.50 B ON MAR 13	0 B ON MAR 1	6 870	1945
1946	---	4.96 B ON MAR 13	0 B ON MAR 1	6 540	1946
1947	12.8 AT 11:30 MST ON APR 12	11.6 ON APR 12	0 B ON MAR 1	14 000	1947
1948	34.3 AT 01:30 MST ON APR 16	23.1 ON APR 15	0 B ON MAR 1	19 100	1948
1949	---	4.95 B ON MAR 27	0 B ON MAR 1	5 660	1949
1950	48.4 AT 03:00 MST ON APR 16	29.7 ON APR 16	0 B ON MAR 1	22 000	1950
1951	13.0 ON APR 28	12.2 ON MAY 1	0 E ON MAR 1	11 800	1951
1952	99.1 AT 24:00 MST ON APR 13	76.8 ON APR 14	0 B ON MAR 1	53 900	1952
1953	21.7 AT 02:00 MST ON JUL 1	12.7 B ON MAR 28	0.0010 ON MAR 1	20 800	1953
1954	300 B AT 20:00 MST ON APR 8 *	142 B ON APR 8 *	0.020 ON JUL 23	44 700	1954
1955	---	43.0 ON APR 3	0.0035 ON MAR 1	38 800	1955
1956	9.17 B AT 17:00 MST ON MAR 27	7.50 B ON MAR 27	0 B ON MAR 1	9 930	1956
1957	---	4.53 B ON MAR 23	0.003 ON JUL 28	4 680	1957
1958	45.0 AT 21:30 MST ON MAR 30	30.6 ON MAR 31	0 ON AUG 26	12 100	1958
1959	---	1.70 B ON MAR 22	0 B ON MAR 1	3 820	1959
1960	---	82.3 E ON MAR 21	0 ON MAR 1	24 700	1960
1961	5.32 B AT 04:30 MST ON MAR 14	3.96 B ON MAR 14	0 ON AUG 4	3 110	1961
1962	21.4 B AT 15:00 MST ON MAR 29	19.1 B ON MAR 28	0 B ON MAR 1	14 800	1962
1963	210 AT 04:00 MST ON JUN 21	81.8 ON JUN 21	0 B ON MAR 3	38 200	1963
1964	11.3 B AT 19:00 ON MAR 31	8.06 B ON APR 1	0 ON MAR 1	5 170	1964
1965	7.87 AT 11:30 MST ON APR 16	5.88 ON APR 16	0 B ON MAR 1	9 890	1965
1966	14.2 B AT 13:00 MST ON MAR 16	11.3 B ON MAR 15	0 B ON MAR 1	9 270	1966
1967	51.0 B AT 22:00 MST ON APR 8	32.6 B ON APR 9	0 B ON MAR 1	23 300	1967
1968	20.4 B AT 13:15 MST ON MAR 7	17.3 B ON MAR 8	0 ON JUL 21	14 800	1968
1969	78.0 AT 01:00 MST ON APR 8	48.4 ON APR 7	0 B ON MAR 1	31 900	1969
1970	18.3 AT 01:00 MST ON APR 9	14.3 ON APR 8	0.001 ON SEP 5	17 800	1970
1971	---	7.08 B ON MAR 20	0 B ON MAR 1	7 850	1971
1972	102 AT 01:00 MST ON JUN 8	39.8 B ON MAR 15	0 ON MAR 1	19 700	1972
1973	1.98 B AT 08:00 MST ON MAR 10	1.13 B ON MAR 11	0 ON MAR 1	3 850	1973
1974	31.1 B ON MAR 30	31.1 B ON MAR 30	0.006 ON JUL 26	32 800	1974
1975	241 AT 00:15 CST ON APR 23	124 ON APR 23	0 B ON MAR 1	45 700	1975
1976	---	52.1 B ON MAR 19	0 B ON MAR 5	30 700	1976
1977	17.4 AT 22:00 CST ON MAY 27	2.32 ON MAY 28	0.005 ON AUG 17	3 470	1977
1978	---	22.9 ON MAR 31	0 B ON MAR 1	26 800	1978
1979	53.2 AT 07:00 CST ON APR 19	45.9 ON APR 19	0 B ON MAR 1	32 700	1979
1980	8.92 B AT 11:00 MST ON APR 1	7.67 B ON APR 1	0.0018 ON MAR 1	5 650	1980
1981	---	0.7088 ON MAR 1	0 ON AUG 26	2 200	1981
1982	113 B AT 21:15 CST ON APR 13	82.3 ON APR 13	0 B ON MAR 1	28 500	1982
1983	---	1.70 B ON APR 3	0.861 ON AUG 7	3 480	1983
1984	42.8 AT 14:00 CST ON JUN 21	16.7 ON JUN 21	0.001 ON JUL 20	8 800	1984
1985	8.16 AT 16:30 CST ON MAR 20	5.01 ON MAR 20	0.001 ON JUL 14	7 700	1985
1986	---	25.5 ON MAR 1	0.003 ON AUG 8	17 100	1986
1987	7.38 B AT 14:30 CST ON APR 2	5.23 B ON APR 2	0.001 ON JUL 8	4 350	1987
1988	0.388 AT 00:01 CST ON MAY 10	0.368 ON MAY 10	0 ON JUL 15	1 180	1988
				15 900	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

PORCUPINE RIVER AT OUTLET OF GROVE LAKE - STATION NO. 07LC003

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1973	---	---	---	---	---	---	---	---	---	---	21.4	16.1	---	1973
1974	---	---	---	---	---	---	37.1	55.0	55.5	56.7	48.5	46.5	---	1974
1975	42.7	---	---	---	---	---	65.4	58.2	51.0	44.9	---	---	---	1975
1976	---	---	---	---	---	122	84.6	55.0	48.9	53.5	54.2	44.8	---	1976
1977	38.6	39.0	33.9	43.0	134	194	169	105	156	121	84.6	72.5	106	1977
1978	56.9	46.5	37.8	33.7	73.1	110	89.1	64.0	74.1	73.9	61.0	48.3	66.7	1978
1979	41.2	33.9	30.9	29.5	48.0	110	72.3	47.1	35.3	34.5	33.7	27.5	45.0	1979
1980	22.6	19.0	16.5	25.9	71.4	84.6	55.4	48.7	52.2	56.4	54.1	38.5	44.5	1980
1981	33.3	29.9	26.3	27.2	76.7	103	61.5	55.5	67.0	50.1	45.5	40.9	53.4	1981
1982	35.3	32.2	27.4	25.0	110	147	99.7	71.1	63.4	50.5	67.9	47.4	65.5	1982
1983	44.9	39.0	35.6	33.7	46.3	110	113	107	95.4	94.7	82.5	59.5	72.5	1983
1984	49.9	44.0	36.2	54.5	113	106	85.9	80.2	84.0	76.5	63.3	52.7	71.4	1984
1985	40.6	35.1	30.9	25.0	124	101	63.5	49.2	55.5	54.5	70.4	56.3	63.5	1985
1986	48.5	44.6	39.7	36.5	139	185	119	104	128	95.5	76.4	56.4	88.1	1986
1987	48.2	40.4	36.3	39.2	107	110	85.3	82.4	62.5	39.7	40.5	39.2	65.9	1987
1988	31.3	24.5	25.4	25.5	87.4	169	124	104	78.5	70.1	62.5	56.1	70.7	1988
MEAN	41.3	35.5	32.0	33.9	82.9	127	84.4	77.2	75.3	69.0	57.5	47.4	67.5	MEAN

LOCATION - LAT 69 29 40 N DRAINAGE AREA, 7 300 km^2
LONG 104 21 40 W NATURAL FLOW

PORCUPINE RIVER AT OUTLET OF GROVE LAKE - STATION NO. 07LC003

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1973	---	---	---	---	1973
1974	---	---	---	---	1974
1975	---	---	---	---	1975
1976	---	---	---	---	1976
1977	224 AT 14:00 CST ON JUN 28	222 ON JUN 27	32.0E ON MAR 21	3 420 000	1977
1978	121 AT 14:52 CST ON JUN 4	120 ON JUN 5	32.0 ON APR 24	2 100 000	1978
1979	126 AT 17:40 CST ON JUN 6	126 ON JUN 6	25.0 ON DEC 28	1 420 000	1979
1980	79.6 AT 18:52 CST ON MAY 10	79.3 ON MAY 12	18.1 ON MAR 23 *	1 410 000	1980
1981	121 AT 15:06 CST ON JUN 2	120 ON JUN 2	28.3 ON APR 18	1 890 000	1981
1982	170 AT 22:44 CST ON JUN 3	169 ON JUN 3	24.3 ON APR 7	2 170 000	1982
1983	153 AT 17:53 CST ON JUN 24	151 ON JUN 24	32.0 ON APR 15	2 300 000	1983
1984	121 AT 15:50 CST ON MAY 2	118 ON MAY 1	33.6 ON MAR 19	2 280 000	1984
1985	160 AT 21:08 CST ON MAY 20	160 ON MAY 20	33.6 ON APR 16	2 010 000	1985
1986	266 AT 18:48 CST ON MAY 26 *	266 ON MAY 26 *	35.8 ON MAY 1	2 610 000	1986
1987	122 AT 06:10 CST ON MAY 22	121 ON MAY 19	34.7 ON APR 6	1 780 000	1987
1988	187 AT 15:46 CST ON JUN 6	185 ON JUN 7	24.3 ON MAR 1	2 230 000	1988
				2 130 000	MEAN

E - ESTIMATED

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

PRAIRIE RIVER NEAR PRAIRIE RIVER - STATION NO. 05LB010

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1959	---	---	---	1.63	---	---	---	---	---	---	---	---	---	1959
1962	---	---	---	---	3.94	---	---	---	---	---	---	---	---	1962
1963	---	---	---	1.81	---	---	---	---	---	---	---	---	---	1963
1964	---	---	---	---	1.88	---	---	---	---	---	---	---	---	1964
1965	---	---	---	---	4.12	---	---	---	---	---	---	---	---	1965
1967	---	---	---	---	5.88	---	---	---	---	---	---	---	---	1967
1968	---	---	0.010	0.800	---	---	---	---	---	---	---	---	---	1968
1969	---	---	---	2.32	---	---	---	---	---	---	---	---	---	1969
1970	---	---	---	1.08	---	---	---	---	---	---	---	---	---	1970
1971	---	---	---	3.49	---	---	---	---	---	---	---	---	---	1971
1974	---	---	---	---	7.46	---	---	---	---	---	---	---	---	1974
1975	---	---	E	1.73	3.31	2.32	0.885	0.071	0.827	0.567	---	---	1.16	1975
1976	---	---	0.034	1.26	0.524	1.38	0.501	0.080	0	0	---	---	0.469	1976
1977	---	---	0.003	0.574	0.756	0.222	0.002	0.010	1.14	0.705	---	---	0.424	1977
1978	---	---	0.042	1.87	3.04	0.487	0.230	1.87	2.44	2.80	---	---	1.81	1978
1979	---	---	0.076	2.46	9.48	4.16	0.317	0.032	0.008	0.388	---	---	2.11	1979
1980	---	---	0.016	1.17	0.158	0.085	0.271	1.40	1.44	1.88	---	---	0.789	1980
1981	---	---	0.238	1.03	0.889	0.163	0.183	0.187	0.170	0.788	---	---	0.463	1981
1982	---	---	0.004	1.48	2.02	3.27	0.243	0.326	0.671	0.488	---	---	1.03	1982
1983	---	---	0.004	0.848	1.75	4.25	0.83	0.335	1.01	0.782	---	---	2.00	1983
1984	---	---	0.029	3.31	8.69	4.06	0.283	0.057	0.116	0.647	---	---	1.88	1984
1985	---	---	0.030	3.26	3.15	3.19	0.714	0.278	0.691	0.883	---	---	1.47	1985
1986	---	---	E	1.04	2.80	0.853	0.594	0.678	0.158	0.282	---	---	0.777	1986
1987	---	---	0.031	2.19	0.928	0.852	0.183	0.006	0.028	0.222	---	---	0.550	1987
1988	---	---	0.018	1.18	1.28	0.239	0.211	0.258	0.474	0.257	---	---	0.468	1988
MEAN	---	---	0.038	1.73	3.14	1.84	0.808	0.390	0.820	0.718	---	---	1.08	MEAN

LOCATION - LAT 52 48 01 N
LONG 102 59 49 W

DRAINAGE AREA, 334 km^2
NATURAL FLOW

REMARKS - STATION LOCATED IN NW32-44-07-W2 FOR THE PERIOD 1959-74

PRAIRIE RIVER NEAR PRAIRIE RIVER - STATION NO. 05LB010

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1959	---	---	---	---	1959
1962	---	---	---	---	1962
1963	---	---	---	---	1963
1964	---	---	---	---	1964
1965	---	---	---	---	1965
1967	---	---	---	---	1967
1968	---	---	---	---	1968
1969	---	---	---	---	1969
1970	---	---	---	---	1970
1971	---	---	---	---	1971
1974	---	---	---	---	1974
1975	---	9.78 ON APR 30	0 B ON MAR 1 *	24 500	1975
1976	---	9.38 ON JUN 20	0 ON AUG 18	9 010	1976
1977	---	2.80 ON MAY 28	0.001E ON JUL 11	8 880	1977
1978	7.80 AT 10 21 CST ON MAY 7	7.73 ON MAY 7	0.031E ON APR 8	34 100	1978
1979	24.3 AT 05 00 CST ON MAY 18 *	23.0 ON MAY 18 *	0.001E ON AUG 26	44 700	1979
1980	8.389 AT 21 53 CST ON APR 13	4.02 ON AUG 18	0.001 ON JUN 11	18 800	1980
1981	1.86 AT 17 17 CST ON APR 20	1.80 ON APR 20	0.010 ON SEP 23	9 880	1981
1982	18.1 AT 02 04 CST ON JUN 1	14.8 ON MAY 31	0 B ON MAR 1	21 800	1982
1983	17.0 AT 22 36 CST ON JUL 4	16.4 ON JUL 5	0 B ON MAR 1	43 400	1983
1984	21.1 AT 02 02 CST ON MAY 20	20.1 ON MAY 20	0 ON AUG 26	39 800	1984
1985	8.899 AT 20 46 CST ON APR 14	7.18 ON APR 22	0.013B ON MAR 1	31 000	1985
1986	8.20 AT 06 39 CST ON MAY 17	8.26 ON MAY 17	0 B ON MAR 1	16 400	1986
1987	7.678 AT 23 47 CST ON APR 8	3.40 ON APR 30	0.002 ON AUG 2	11 800	1987
1988	8.548 AT 00 22 CST ON APR 12	3.188 ON APR 12	0 ON JUN 21	10 300	1988
				23 000	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

QU'APPELLE RIVER ABOVE BUFFALO POUND LAKE - STATION NO. 05JG004

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1938	---	---	---	---	---	---	---	---	---	0	---	---	---	1938
1939	---	---	---	---	0.795	0.148	---	---	---	---	---	---	---	1939
1944	---	---	0.008	0.000	0.083	0.083	0.011	0	0	0	---	---	---	1944
1945	---	---	0.003	0.002	0	0	0	0	0	0	---	---	---	1945
1946	---	---	2.87	0.082	0.001	0	0	0	0	0	---	---	---	1946
1947	---	---	0	1.94	0.130	0.013	0.011	0	0	0	---	---	---	1947
1948	---	---	0	5.20	0.711	0.051	0.028	0.006	0	0	---	---	---	1948
1949	---	---	0.009	0.000	0	0	0	0.134	0.001	0	---	---	---	1949
1950	---	---	0.138	5.70	0.806	0.200	0.011	0	0	0	---	---	---	1950
1951	---	---	0	3.40	2.59	0.637	0.388	0.143	0.307	0.178	---	---	---	1951
1952	---	---	0.047	7.76	1.18	0.473	0.142	0.060	0.021	0.008	---	---	---	1952
1953	---	---	1.82	2.48	0.787	0.388	0.028	0.007	0.001	0	---	---	---	1953
1954	---	---	0.024	0.148	0.082	0.170	0.284	0.060	0.184	0.118	---	---	---	1954
1955	---	---	1.17	8.73	4.25	0.224	0.471	0.013	0.141	0.229	---	---	---	1955
1956	---	---	0	8.43	1.23	0.133	0.011	0	0	0.041	---	---	---	1956
1957	---	---	3.39	1.97	0.889	0.148	0.156	0.030	0	0.004	---	---	---	1957
1958	---	---	3.17	3.18	0.118	0.001	0.858	0.249	0.818	1.71	---	---	---	1958
1959	---	---	1.74	0.858	0.030	0.377	1.43	1.80	3.05	0.877	---	---	---	1959
1960	---	---	2.34	8.02	0.212	0.086	0.484	2.22	0.404	0.032	---	---	---	1960
1961	---	---	0.138	0.488	3.47	2.38	2.85	2.58	2.80	0.215	---	---	---	1961
1962	---	---	0.851	0.518	0.013	2.24	2.28	2.30	2.43	0.110	---	---	---	1962
1963	---	---	0.747	1.27	2.71	2.80	2.18	0.281	2.48	1.98	---	---	---	1963
1964	---	---	0	0.393	0.170	0.007	0	2.24	2.48	2.82	2.02	0.077	---	1964
1965	---	---	0	4.36	0.851	0.183	0.018	0	0	0	---	---	---	1965
1966	---	---	1.58	0.183	0.031	0.002	0.011	0.010	0	0	---	---	---	1966
1967	---	---	0	3.38	1.21	0.840	0.00	0.39	0.82	0.71	0.61	4.48	---	1967
1968	4.08	0.820	3.22	2.28	3.01	3.88	3.30	1.48	0.048	0.024	7.00	4.48	2.78	1968
1969	8.84	2.87	0.008	12.2	0.057	0	2.78	1.28	3.80	0.282	2.37	3.10	2.82	1969
1970	2.34	0.778	2.82	7.83	1.04	0.832	0.714	0.436	0.088	0.018	2.49	2.82	1.81	1970
1971	0.882	2.80	0.114	5.28	0.187	0.884	0.138	0.020	0.088	1.28	2.47	1.88	1.28	1971
1972	1.27	1.28	1.14	1.01	4.20	2.27	8.37	4.10	1.84	0.388	3.88	2.21	2.38	1972
1973	1.10	0.128	0.808	8.70	8.38	1.80	4.73	8.08	1.03	2.04	1.71	0.881	2.85	1973
1974	1.00	0.344	0.088	22.8	8.24	0.488	0.028	0.248	0.400	0.083	3.07	2.23	2.98	1974
1975	1.25	0.828	0.081	3.38	0.310	0.830	0.378	1.34	2.41	1.88	1.31	1.24	1.24	1975
1976	1.15	0.322	2.85	4.36	0.118	0.228	0.178	0.257	2.85	1.38	1.88	1.32	1.37	1976
1977	1.11	1.04	1.08	1.38	2.83	3.82	2.38	2.84	3.20	3.38	1.87	1.13	2.00	1977
1978	1.08	0.880	0.818	1.83	0.878	0.834	2.28	3.27	3.78	2.11	1.43	1.13	1.82	1978
1979	0.838	1.01	1.33	2.83	0.818	0.318	0.471	3.08	3.88	1.87	1.38	1.13	1.83	1979
1980	1.10	1.08	1.22	0.827	0.738	8.48	8.88	8.18	3.48	1.88	1.88	1.48	2.80	1980
1981	1.88	1.40	1.04	3.88	8.38	10.8	10.3	7.47	8.08	0.888	0.874	0.883	4.83	1981
1982	0.843	0.888	0.824	13.7	0.778	0.780	1.87	1.28	3.42	2.28	1.82	1.23	3.41	1982
1983	1.18	1.18	1.48	1.38	0.818	2.48	2.83	3.58	3.88	1.88	1.32	1.18	1.87	1983
1984	1.01	1.44	1.80	1.87	4.80	4.88	8.24	8.12	3.88	1.84	1.24	1.08	3.02	1984
1985	1.08	1.03	2.88	4.48	0.273	2.87	4.38	8.18	3.21	1.20	1.28	1.28	2.40	1985
1986	1.21	1.38	3.32	2.00	7.83	8.53	3.88	3.38	3.88	1.84	1.42	1.38	3.08	1986
1987	1.37	1.51	3.32	3.47	8.63	8.63	11.0	8.34	4.08	4.37	2.18	1.32	4.84	1987
1988	1.18	1.48	1.78	3.12	10.7	8.32	8.87	8.88	4.12	2.78	1.70	1.71	3.87	1988
MEAN	1.84	1.18	1.11	4.01	1.88	1.82	1.88	1.83	1.74	1.01	2.23	1.71	2.82	MEAN

LOCATION - LAT 50 47 00 N
LONG 105 48 31 W
DRAINAGE AREA, 2 630 km^2
REGULATED SINCE 1958

QU'APPELLE RIVER ABOVE BUFFALO POUND LAKE - STATION NO. 05JG004

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1935	---	---	---	---	1935
1936	---	---	---	---	1936
1944	---	0.4610 ON APR 7	0 B ON MAR 1 *	---	1944
1945	---	0.020 ON MAR 30	0 ON MAR 1	---	1945
1946	---	13.7 ON MAR 26	0 ON MAR 1	---	1946
1947	---	8.66 B ON APR 11	0 B ON MAR 1	---	1947
1948	---	22.3 B ON APR 20	0 ON MAR 1	---	1948
1949	---	2.62 ON AUG 24	0 B ON MAR 1	---	1949
1950	---	34.3 ON APR 15	0 B ON MAR 1	---	1950
1951	---	17.1 ON APR 27	0 B ON MAR 1	---	1951
1952	---	17.0 B ON APR 6	0 B ON MAR 1	---	1952
1953	---	19.8 B ON MAR 30	0 B ON MAR 1	---	1953
1954	---	2.60 ON JUL 12	0 B ON MAR 12	---	1954
1955	---	20.4 A ON APR 4	0 B ON MAR 1	---	1955
1956	---	27.2 B ON APR 14	0 B ON MAR 1	---	1956
1957	28.2 B AT 21:00 CST ON MAR 21	26.5 B ON MAR 22	0 B ON MAR 1	---	1957
1958	35.8 B AT 01:00 CST ON MAR 26	23.2 B ON MAR 26	0 ON JUN 6	---	1958
1959	11.2 B AT 15:00 CST ON MAR 23	7.98 B ON MAR 23	0 B ON MAR 1	---	1959
1960	28.3 B AT 15:00 CST ON APR 5	28.1 B ON APR 4	0.011 ON JUL 23	---	1960
1961	3.67 AT 05:00 CST ON JUL 31	3.40 ON JUL 31	0 B ON MAR 1	---	1961
1962	5.078 AT 12:00 CST ON MAR 27	3.77 B ON MAR 27	0 B ON MAR 1	---	1962
1963	5.378 AT 01:00 CST ON MAR 23	4.83 ON JUL 1	0 B ON MAR 1	---	1963
1964	3.29 AT 15:00 CST ON SEP 2	2.89 ON SEP 2	0 B ON MAR 1	---	1964
1965	21.0 B AT 21:30 CST ON APR 11	19.4 B ON APR 11	0 B ON MAR 1	---	1965
1966	13.2 B AT 20:00 CST ON MAR 17	11.0 B ON MAR 17	0 B ON MAR 1	---	1966
1967	11.6 B AT 05:00 CST ON APR 18	11.2 B ON APR 18	0 B ON MAR 1	---	1967
1968	18.1 B AT 02:30 CST ON NOV 21	11.0 B ON NOV 15	0 ON OCT 10	87 100	1968
1969	77.8 AT 19:30 CST ON APR 10	72.8 ON APR 10	0 B ON FEB 2	88 900	1969
1970	30.1 B AT 01:00 CST ON APR 8	26.2 B ON APR 8	0 B ON MAR 4	57 200	1970
1971	27.1 B AT 07:14 CST ON APR 10	24.8 B ON APR 10	0 ON MAY 9	40 300	1971
1972	8.74 AT 07:05 CST ON MAY 24	8.56 ON MAY 24	0 B ON MAR 20	76 500	1972
1973	8.27 AT 15:17 CST ON APR 4	7.96 ON MAY 9	0 B ON FEB 6	83 800	1973
1974	144 AT 21:18 CST ON APR 20 *	107 ON APR 20 *	0.0088 ON FEB 17	93 900	1974
1975	14.8 B AT 01:58 CST ON APR 14	13.3 B ON APR 14	0.002 ON MAY 23	38 000	1975
1976	---	24.8 B ON APR 1	0.011 ON MAY 26	43 400	1976
1977	8.44 AT 17:50 CST ON JUL 28	4.13 ON MAY 26	0.238 ON APR 29	86 000	1977
1978	4.30 AT 17:11 CST ON SEP 10	3.88 ON SEP 10	0.0718 ON MAR 1	51 200	1978
1979	26.0 B AT 06:39 CST ON APR 21	18.8 B ON APR 20	0.0508 ON APR 8	61 400	1979
1980	8.46 AT 15:08 CST ON JUL 1	8.41 ON JUL 1	0.067 ON APR 26	78 100	1980
1981	19.4 AT 05:32 CST ON JUL 21	13.1 ON JUL 21	0.0388 ON OCT 27	143 000	1981
1982	83.6 B AT 07:30 CST ON APR 14	75.6 B ON APR 14	0.032 ON JUN 26	78 000	1982
1983	13.4 B AT 20:57 CST ON MAR 31	12.3 B ON MAR 31	0.098 ON MAY 7	59 100	1983
1984	8.46 AT 06:42 CST ON JUL 31	8.20 ON JUL 31	0.2948 ON MAR 19	85 400	1984
1985	26.9 AT 01:41 CST ON APR 3	26.3 ON APR 3	0.074 ON MAY 22	75 500	1985
1986	14.5 B AT 21:11 CST ON MAR 1	12.4 B ON MAR 2	0.6588 ON NOV 8	89 300	1986
1987	12.2 AT 11:01 CST ON JUL 4	12.0 ON JUL 23	0.788 ON NOV 17	143 000	1987
1988	12.2 AT 14:47 CST ON MAY 25	12.1 ON MAY 25	0.8588 ON OCT 26	126 000	1988
				79 500	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

QU'APPELLE RIVER ABOVE EYEBROW LAKE - STATION NO. 05JG010

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1958	---	---	1.18	0.457	0.062	0.033	1.34	0.012	1.84	0.697	---	---	---	1958
1959	---	---	0.874	0.118	0.426	1.13	2.48	3.48	2.14	0.336	---	---	---	1959
MEAN	---	---	0.917	0.288	0.234	0.582	1.80	1.73	2.04	0.618	---	---	---	MEAN

LOCATION - LAT 50 58 50 N, LONG 105 17 15 W
DRAINAGE AREA, 844 km^2
REGULATED

QU'APPELLE RIVER ABOVE EYEBROW LAKE - STATION NO. 05JG010

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1958	---	6.780 ON MAR 28 *	0 B ON MAR 18 *	---	1958
1959	---	5.638 ON MAR 26	0.0288 ON MAR 1	---	1959
				---	MEAN

B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

QU'APPELLE RIVER AT HYDE - STATION NO. 05JM013

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1956	---	---	5.84	48.8	66.8	35.8	25.0	18.0	8.31	4.13	2.44	4.48	28.7	1956
1957	4.48	4.34	6.51	25.8	24.0	10.7	2.86	2.18	1.26	3.77	1.10	0.171	9.80	1957
1958	0.044	0.012	1.24	8.38	1.80	0.037	0.015	0.081	0.077	0.018	0.215	0.025	1.58	1958
1959	0	0.088	0.407	1.66	0.348	0.217	0.295	0.013	0.048	0.177	0.081	0.038	0.269	1959
1960	0.052	0.053	0.075	15.5	7.55	2.80	1.80	0.210	0.047	0.033	0.029	0.017	3.44	1960
1961	0.021	0.015	2.72	1.18	0.235	0.028	0.002	0	0	0.008	0.023	0.028	0.524	1961
1962	0.053	0.021	0.024	5.72	0.318	1.23	0.027	0.010	0.007	0.034	0.038	0.051	0.804	1962
1963	---	---	---	0.188	0.134	0.184	0.592	2.03	0.532	0.074	0.089	0.058	---	1963
1964	0.025	0.024	0.021	5.85	2.82	0.878	0.146	0.038	0.043	0.028	0.083	0.111	1.20	1964
1965	0.100	0.083	0.087	3.81	0.888	2.85	2.83	1.23	0.488	0.427	0.198	0.073	1.54	1965
1966	0.026	0.033	0.822	7.84	3.65	0.858	1.23	0.333	0.018	0.030	0.061	0.042	1.83	1966
1967	0.041	0.040	0.051	11.6	10.4	2.85	0.242	0.007	0	0.026	0.111	0.803	3.14	1967
1968	1.58	1.80	4.61	4.88	1.84	0.878	0.085	0.020	2.42	0.739	1.18	0.884	1.89	1968
1969	0.826	0.481	1.18	28.5	27.3	16.9	7.84	2.42	2.68	4.03	2.80	4.00	11.3	1969
1970	3.43	3.18	2.84	18.8	27.8	26.0	17.6	7.81	3.84	7.23	8.78	5.51	14.1	1970
1971	4.37	3.41	5.89	36.6	32.6	7.80	1.82	0.536	0.863	3.88	4.88	5.85	11.1	1971
1972	3.78	4.14	10.8	15.0	6.88	0.858	0.182	1.46	1.63	2.17	3.41	4.88	4.88	1972
1973	---	---	3.81	2.84	2.78	2.88	3.87	1.18	0.878	0.888	---	---	2.36	1973
1974	---	---	2.33	33.1	88.4	48.7	31.2	24.8	23.1	18.0	---	---	30.8	1974
1975	---	---	8.17	31.1	84.8	31.4	19.8	13.8	13.0	11.8	---	---	22.7	1975
1976	---	---	8.18	82.6	44.8	32.1	21.7	14.4	8.88	8.48	---	---	27.3	1976
1977	---	---	3.04	3.28	3.32	1.80	---	---	---	---	---	---	---	1977
1978	---	---	1.04	8.38	4.73	2.73	1.27	0.238	0.078	0.178	---	---	2.31	1978
1979	---	---	1.13	28.2	31.2	18.8	8.11	1.88	1.77	2.23	---	---	11.8	1979
1980	---	---	2.28	15.0	2.18	0.487	0.841	0.888	0.488	1.80	---	---	3.08	1980
1981	---	---	2.40	1.02	0.807	1.14	4.37	0.812	1.48	1.44	---	---	1.88	1981
1982	---	---	0.884	35.8	28.1	11.8	3.31	2.47	2.85	7.78	---	---	10.3	1982
1983	---	---	7.25	23.8	18.7	7.14	13.8	8.11	4.08	8.81	---	---	10.7	1983
1984	---	---	8.44	3.88	1.88	1.47	1.84	0.280	0.988	1.44	---	---	2.03	1984
1985	---	---	7.80	18.8	2.81	4.47	2.73	2.41	3.80	8.31	---	---	5.88	1985
1986	---	---	8.81	3.87	3.82	0.818	0.838	0.284	0.218	1.11	---	---	2.14	1986
1987	---	---	5.38	8.12	1.48	0.847	0.887	0.283	0.388	0.848	---	---	1.77	1987
1988	---	---	0.888	0.981	0.818	0.288	0.082	0.008	0.131	0.028	---	---	0.385	1988
MEAN	1.33	1.17	3.38	18.0	14.7	8.41	5.44	3.34	2.83	3.02	1.37	1.88	7.38	MEAN

LOCATION - LAT 50 38 28 N DRAINAGE AREA, 44 100 km²
LONG 102 55 03 W REGULATED

QU'APPELLE RIVER AT HYDE - STATION NO. 05JM013

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1956	---	131 B ON APR 17	3.08 ON OCT 30	585 000	1956
1957	---	31.7 ON APR 27	0.883 ON SEP 28	203 000	1957
1958	---	19.7 B ON APR 3	0 ON JUN 14 *	33 000	1958
1959	7.33 AT 01:00 CST ON APR 6	8.23 ON APR 6	0 ON MAR 15	6 230	1959
1960	---	28.1 ON APR 11	0.014 ON MAR 8	72 800	1960
1961	17.0 AT 01:00 CST ON MAR 28	15.8 ON MAR 25	0 ON JUL 11	11 100	1961
1962	30.2 AT 03:00 CST ON APR 11	30.0 ON APR 11	0 ON OCT 1	19 100	1962
1963	---	---	---	---	1963
1964	---	15.8 B ON APR 8	0.011 ON AUG 20	35 400	1964
1965	19.2 AT 23:00 CST ON APR 13	18.4 ON APR 14	0.078 ON MAR 1	32 800	1965
1966	---	18.0 B ON APR 1	0.066 ON SEP 16	36 800	1966
1967	---	33.3 B ON APR 18	0 ON AUG 25	88 400	1967
1968	---	15.0 B ON MAR 31	0.037 ON JUL 30	42 200	1968
1969	89.6 AT 02:30 CST ON APR 13	84.1 ON APR 13	0.842 ON SEP 8	239 000	1969
1970	47.8 AT 18:17 CST ON APR 12	46.7 ON APR 12	1.81 ON SEP 14	399 000	1970
1971	88.6 AT 10:19 CST ON APR 11	88.8 ON APR 11	0.280 ON SEP 25	238 000	1971
1972	---	25.2 B ON MAR 25	0.014E ON JUL 18	103 000	1972
1973	10.8 AT 15:42 CST ON JUL 8	10.7 ON JUL 8	0.188 ON OCT 2	50 000	1973
1974	126 AT 00:00 CST ON APR 21	123 ON APR 21	1.85 B ON MAR 18	851 000	1974
1975	89.1 AT 17:46 CST ON APR 20	84.8 ON MAY 2	4.80 B ON MAR 25	481 000	1975
1976	214 AT 15:02 CST ON APR 10 *	208 ON APR 10 *	4.08 B ON MAR 14	879 000	1976
1977	6.388 AT 17:33 CST ON APR 11	4.70 ON MAY 10	---	---	1977
1978	16.2 B AT 19:46 CST ON APR 7	14.8 B ON APR 7	0.010 ON SEP 11	48 000	1978
1979	---	152 B ON APR 23	0.385 ON OCT 18	248 000	1979
1980	84.6 AT 15:00 CST ON APR 8	83.2 ON APR 8	0.243 ON JUN 21	84 700	1980
1981	17.6 AT 19:00 CST ON JUL 18	18.2 ON JUL 18	0.271 ON AUG 28	35 800	1981
1982	108 AT 18:28 CST ON APR 18	86.8 ON APR 17	0.4888 ON MAR 9	218 000	1982
1983	68.7 AT 07:51 CST ON APR 23	67.9 ON APR 23	2.85 ON SEP 7	328 000	1983
1984	8.808 AT 08:06 CST ON MAR 30	8.868 ON MAR 30	0.001 ON SEP 4	43 100	1984
1985	37.3 B AT 07:08 CST ON APR 2	35.6 B ON APR 2	0.838 ON AUG 2	125 000	1985
1986	---	16.0 B ON MAR 25	0.088 ON AUG 28	45 300	1986
1987	14.8 B AT 12:59 CST ON MAR 28	14.7 B ON MAR 28	0.001 ON SEP 8	37 400	1987
1988	2.88 AT 18:57 CST ON APR 12	2.22 ON APR 12	0 ON AUG 8	8 350	1988
				187 000	MEAN

B - ICE CONDITIONS
E - ESTIMATED

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

QU'APPELLE RIVER AT MARIEVAL - STATION NO. 05JM011

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1958	---	---	---	---	59.4	37.9	24.9	17.4	8.58	5.55	---	---	---	1958
MEAN	---	---	---	---	59.4	37.9	24.9	17.4	8.58	5.55	---	---	---	MEAN

LOCATION - LAT 50 34 50 N, LONG 102 38 40 W
DRAINAGE AREA, 48 100 km²
REGULATED
DATA CONTRIBUTED BY - PRAIRIE FARM REHABILITATION ADMINISTRATION

QU'APPELLE RIVER AT TANTALLON - STATION NO. 05JM003

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1919	---	---	---	---	---	---	---	0.487	0.470	---	---	---	---	1919
1920	---	---	0.015	15.0	13.1	8.71	4.21	1.88	0.882	0.852	---	---	---	1920
1921	---	---	---	10.8	8.10	4.19	3.81	1.85	1.73	2.45	2.03	---	---	1921
1922	---	---	---	31.4	51.4	31.8	18.6	10.4	8.08	8.41	8.01	---	---	1922
1923	---	---	---	---	40.7	20.8	---	---	---	---	---	---	---	1923
1924	---	---	---	---	18.8	14.1	7.39	3.78	2.00	2.85	---	---	---	1924
1925	---	---	---	55.3	32.0	15.8	7.08	3.95	3.32	2.41	---	---	---	1925
1926	---	---	---	5.36	6.00	4.82	2.15	0.384	0.882	1.15	---	---	---	1926
1927	---	---	---	---	43.2	20.7	10.9	10.4	10.7	10.7	---	---	---	1927
1928	---	---	---	29.2	22.7	20.8	10.7	5.88	3.02	2.47	---	---	---	1928
1929	---	---	---	---	4.02	4.09	1.19	0.189	0.138	0.215	---	---	---	1929
1930	---	---	---	---	8.48	4.83	2.81	0.951	0.262	0.300	---	---	---	1930
1931	---	---	---	---	2.18	0.882	0.247	0.248	---	---	---	---	---	1931
1942	---	---	---	---	---	---	0.357	4.87	3.17	---	---	---	---	1942
1943	---	---	---	29.8	23.8	12.4	5.87	1.84	1.40	0.895	---	---	---	1943
1944	---	---	---	2.24	1.81	4.45	1.13	0.427	1.08	0.788	---	---	---	1944
1945	---	---	---	1.62	1.88	0.828	1.26	0.272	0.241	0.467	---	---	---	1945
1946	---	---	---	8.18	1.57	0.731	4.21	0.228	0.878	0.478	---	---	---	1946
1947	---	---	---	22.0	28.4	16.3	11.1	0.626	1.62	0.838	---	---	---	1947
1948	---	---	---	14.9	29.1	17.9	8.27	0.618	0.184	0.180	---	---	---	1948
1949	---	---	---	2.84	0.809	1.94	0.380	0.280	0.260	0.813	0.899	---	---	1949
1950	---	---	---	5.85	4.01	2.76	2.51	2.19	0.378	0.876	0.484	0.514	---	1950
1951	0.878	0.303	0.892	8.77	10.2	7.73	4.48	0.634	0.578	0.880	0.717	0.701	3.15	1951
1952	0.888	0.885	0.887	15.2	8.45	2.82	1.36	0.340	0.878	0.888	0.847	0.388	2.86	1952
1953	0.320	0.456	1.12	28.5	13.4	17.5	13.7	8.87	4.19	2.82	1.88	2.01	7.85	1953
1954	1.84	1.84	2.82	12.3	15.0	38.7	88.8	28.5	13.8	18.5	13.8	9.73	18.9	1954
1955	7.88	6.89	8.75	87.5	135	85.0	48.3	38.8	28.8	22.3	15.3	9.48	37.5	1955
1956	8.15	7.84	8.44	58.4	88.7	44.1	30.5	21.8	14.3	7.83	5.19	3.88	24.6	1956
1957	4.40	3.88	8.98	32.3	28.8	15.1	2.87	1.85	2.88	4.20	3.80	1.85	8.35	1957
1958	0.334	0.229	0.883	2.70	8.01	0.277	0.857	0.238	0.318	0.328	0.385	0.028	1.02	1958
1959	0.014	0	1.08	0.882	0.429	0.588	0.184	0.004	0.077	0.388	0.328	0.383	0.371	1959
1960	0.288	0.232	0.508	18.4	13.0	3.83	1.27	0.580	0.138	0.087	0.238	0.173	3.31	1960
1961	0.202	0.022	0.078	0.804	0.708	0.381	0.017	0	0	0	0	0	0.184	1961
1962	0	0	0	1.08	0.882	1.52	0.803	0.120	0.007	0	0	0	0.348	1962
1963	0	0	0.824	1.28	1.55	4.21	4.34	3.12	2.14	1.33	0.480	0.074	1.80	1963
1964	0	0	0	5.20	7.89	1.88	0.556	0.187	0.107	0.083	0.111	0.010	1.38	1964
1965	0	0	0	12.0	3.71	2.70	2.42	0.748	0.573	0.588	0.327	0.233	2.02	1965
1966	0.121	0.082	1.43	21.8	8.34	2.88	1.42	0.802	0.135	0.155	0.225	0.100	2.85	1966
1967	0.070	0.064	0.272	15.2	19.0	5.82	0.361	0.138	0.082	0.208	2.88	1.75	3.81	1967
1968	0.332	0.500	2.71	10.1	1.77	0.912	0.318	0.778	0.208	0.158	0.848	0.780	1.8:	1968
1969	1.38	1.78	2.18	21.8	30.2	23.8	13.8	1.80	2.88	5.80	5.48	4.05	8.58	1969
1970	3.84	2.88	3.88	16.8	27.0	28.2	21.8	13.4	3.80	8.20	10.1	8.27	12.3	1970
1971	4.02	3.18	6.11	24.2	35.4	19.2	2.81	0.839	2.13	6.85	6.14	4.85	8.54	1971
1972	4.82	4.88	7.86	22.3	5.85	2.04	0.825	1.55	2.13	3.00	2.81	4.28	5.17	1972
1973	8.04	3.23	3.88	1.42	1.83	3.88	3.80	1.57	0.770	1.40	1.74	2.82	2.87	1973
1974	3.08	3.08	2.89	21.8	88.1	60.8	33.3	20.1	23.8	20.7	18.5	11.4	24.4	1974
MEAN	2.00	1.77	2.42	17.3	18.8	12.1	8.48	4.47	3.28	3.38	3.84	2.83	7.78	MEAN

LOCATION - LAT 50 21 58 N, LONG 101 50 30 W
DRAINAGE AREA, 48 200 km²
REGULATED

QU'APPELLE RIVER AT TANTALLON - STATION NO. 05JM003

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1919	---	---	---	---	1919
1920	---	---	---	---	1920
1921	---	---	---	---	1921
1922	---	---	---	---	1922
1923	---	55.8 ON MAY 13	---	---	1923
1924	---	---	---	---	1924
1925	---	---	---	---	1925
1926	---	---	---	--	1926
1927	---	---	---	---	1927
1928	---	---	---	---	1928
1929	---	---	---	---	1929
1930	---	---	---	---	1930
1931	---	---	0 ON JUL 22 *	---	1931
1942	---	---	---	---	1942
1943	---	---	---	---	1943
1944	---	35.4 ON APR 22	---	---	1944
		6.038 ON APR 9	0 B ON APR 1	---	
1945	---	---	---	---	1945
1946	---	4.70 ON APR 27	---	---	1946
1947	---	31.4 E ON JUL 11	---	---	1947
1948	---	38.6 ON APR 30	---	---	1948
1949	---	52.0 ON MAY 7	---	---	1949
		6.808 ON APR 8	---	---	
1950	---	---	---	---	1950
1951	---	21.6 B ON APR 18	---	---	1951
1952	---	18.4 ON MAY 4	0.255 ON AUG 20	89 300	1952
1953	---	19.1 B ON APR 7	0.113 ON AUG 16	81 800	1953
1954	---	32.8 ON APR 22	0.2838 ON JAN 10	238 000	1954
		78.0 ON JUL 21	1.27 B ON JAN 28	886 000	
1955	---	240 ON MAY 10 *	8.08 B ON FEB 10	1 180 000	1955
1956	---	157 ON APR 24	3.11 B ON DEC 17	743 000	1956
1957	---	37.4 ON APR 17	0.6788 ON DEC 31	295 000	1957
1958	---	10.4 ON MAY 3	0 B ON DEC 17	32 000	1958
1959	---	3.37 ON JUN 16	0 B ON JAN 1	11 700	1959
1960	28.6 B AT 18:45 CST ON APR 8	28.2 ON APR 20	0 E ON OCT 26	105 000	1960
1961	---	1.319 ON APR 11	0 B ON FEB 15	6 100	1961
1962	---	2.83A ON JUN 16	0 A ON JAN 1	11 000	1962
1963	9.54 AT 10:30 CST ON JUN 25	8.21 ON JUN 25	0 B ON JAN 1	50 800	1963
1964	---	14.2 B ON APR 11	0 B ON JAN 1	43 800	1964
1965	---	28.8 ON APR 13	0 ON JAN 1	83 800	1965
1966	---	28.7 B ON APR 3	0.0268 ON FEB 23	88 800	1966
1967	---	28.8 ON MAY 1	0.003 ON SEP 10	120 000	1967
1968	---	16.3 A ON APR 12	0.082 ON SEP 24	50 800	1968
1969	42.2 AT 21:00 CST ON APR 27	41.8 ON APR 27	0.7368 ON JAN 1	202 000	1969
1970	31.4 AT 20:30 CST ON APR 30	30.8 ON APR 30	3.11 ON SEP 11	288 000	1970
1971	42.8 AT 00:00 CST ON APR 28	42.5 ON APR 28	0.460 ON SEP 4	301 000	1971
1972	---	27.4 B ON APR 12	0.381 ON JUL 21	183 000	1972
1973	---	8.858 ON JAN 4	0.382 ON SEP 20	84 400	1973
1974	83.8 AT 14:06 CST ON MAY 23 *	83.2 ON MAY 23	2.28 B ON MAR 28	788 000	1974
				244 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

QU'APPELLE RIVER BELOW CRAVEN DAM - STATION NO. 05JK002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1926	---	---	---	---	---	---	---	---	---	---	0.020	0.017	---	1926
1927	0.017	0.024	0.291	25.3	18.8	14.7	7.16	4.20	1.95	---	---	---	---	1927
1944	---	---	---	0.578	0.008	0.008	0.012	0.028	0.070	0.003	---	---	---	1944
1945	---	---	0.008	0.200	0.014	0	0.001	0.005	0.005	0.008	---	---	---	1945
1946	---	---	0.858	0.143	0.211	0.483	0.136	0.013	0.385	0.023	---	---	---	1946
1947	---	---	0.057	19.7	2.55	0.155	0.031	0.486	0.016	0.012	---	---	---	1947
1948	---	---	0	11.0	18.2	0.856	0.160	0.217	0.132	0.173	---	---	---	1948
1949	---	---	0.016	1.57	0.524	0.353	0.102	0.074	0.025	0.021	---	---	---	1949
1950	---	---	0.078	3.88	0.372	0.004	0.031	0.002	0.001	0.021	---	---	---	1950
1951	---	---	0	8.74	7.80	0.838	0.253	0.283	0.098	0.040	---	---	---	1951
1952	---	---	0.008	8.13	0.109	0.013	0.226	0.136	0.022	0.003	---	---	---	1952
1953	---	---	0.882	0.830	0	2.38	4.16	0.262	0.038	0.130	---	---	---	1953
1954	---	---	0.202	0.332	0.384	4.12	4.82	5.47	5.88	5.84	---	---	---	1954
1955	4.87	5.15	5.30	21.4	41.6	35.2	30.3	23.2	16.8	13.8	11.9	7.98	16.2	1955
1956	5.90	4.98	5.30	28.1	26.9	33.9	20.7	4.80	1.82	0.807	6.56	5.48	11.4	1956
1957	5.86	5.80	10.1	20.1	13.7	2.48	0.886	0.413	0.876	1.16	0.883	0.482	5.26	1957
1958	0.287	0.346	1.58	5.25	0.712	0.982	0.487	0.193	0.061	0.337	0.080	0.057	0.861	1958
1959	0.057	0.057	0.331	8.20	0.341	0.851	0.725	0.048	0.116	0.116	0.098	0.086	0.726	1959
1960	0.061	0.061	0.773	13.4	1.25	2.61	3.59	1.48	0.186	0.280	0.586	0.459	2.05	1960
1961	0.325	0.245	1.10	4.87	0.541	0.183	0.163	0.130	0.081	0.085	0.063	0.116	0.852	1961
1962	0.075	0.041	0.210	2.52	0.082	0.080	0.184	0.151	0.026	0.021	0.048	0.181	0.282	1962
1963	0.088	0.059	0.183	1.85	0.351	0.888	2.36	0.771	0.325	0.456	0.606	0.272	0.663	1963
1964	0.155	0.221	0.287	1.18	0.998	0.428	0.672	0.132	0.126	0.113	0.151	0.173	0.378	1964
1965	0.149	0.157	0.218	2.47	0.644	2.61	0.393	0.305	0.186	0.046	0.083	0.584	0.647	1965
1966	0.825	0.539	1.65	1.43	0.186	0.583	0.418	0.274	0.187	0.295	0.045	0.052	0.554	1966
1967	0.056	0.042	0.024	12.2	0.858	0.256	0.358	0.291	0.403	2.56	3.81	3.21	2.08	1967
1968	2.56	3.30	3.21	0.184	1.08	1.08	0.851	1.07	0.189	0.082	0.352	0.360	1.18	1968
1969	0.482	1.42	0.410	33.3	17.1	4.85	4.06	2.81	3.18	4.40	4.18	2.37	6.69	1969
1970	3.80	2.08	2.05	23.0	27.2	16.8	5.15	4.01	6.36	7.44	7.51	4.20	8.28	1970
1971	3.86	2.71	4.01	36.4	7.35	0.133	0.195	2.03	1.75	7.88	7.31	8.83	6.48	1971
1972	4.24	2.72	4.81	8.82	0.306	1.40	2.87	3.02	2.80	2.87	3.62	1.83	3.07	1972
1973	1.33	1.88	2.46	2.28	2.83	3.30	2.26	1.87	1.40	3.41	2.80	2.83	2.47	1973
1974	1.84	1.27	1.31	48.1	48.1	36.9	28.7	23.2	19.5	18.0	14.0	10.6	20.7	1974
1975	7.80	5.71	5.17	19.0	37.0	20.1	18.8	13.1	12.1	8.88	7.07	4.88	13.1	1975
1976	3.08	2.70	6.84	60.4	21.3	20.8	17.3	12.6	11.8	8.83	6.52	4.00	14.7	1976
1977	2.33	2.21	2.21	0.486	1.67	2.07	1.85	1.24	0.884	1.10	1.48	1.50	1.58	1977
1978	0.883	0.888	1.35	3.88	0.885	0.483	0.518	0.348	0.214	0.085	1.84	1.84	1.08	1978
1979	1.08	1.20	2.74	14.8	23.9	10.3	3.78	3.16	3.16	4.88	6.06	3.82	6.68	1979
1980	2.88	1.78	1.88	2.42	0.333	1.24	2.23	2.43	1.77	1.78	1.82	1.12	1.78	1980
1981	1.21	1.76	1.87	2.70	2.81	2.87	2.88	1.28	0.844	1.08	1.48	1.45	1.81	1981
1982	1.23	0.920	1.10	27.7	13.5	2.82	3.82	3.23	2.86	10.2	10.2	7.88	7.15	1982
1983	6.31	5.95	6.80	18.5	8.77	2.40	4.74	5.02	5.45	5.30	5.58	4.74	6.38	1983
1984	3.73	4.36	4.80	4.06	3.32	3.41	3.80	2.36	1.43	1.13	0.721	0.670	2.73	1984
1985	0.573	0.677	2.49	1.82	3.86	4.18	3.81	4.08	3.88	3.84	3.86	3.01	2.87	1985
1986	3.63	3.53	1.86	1.42	3.18	2.04	1.53	0.881	0.886	0.607	1.18	3.86	2.00	1986
1987	3.77	3.76	3.87	3.36	1.60	1.86	1.81	1.84	0.205	0.572	1.16	0.821	2.06	1987
1988	0.888	0.782	0.800	1.24	2.43	2.06	1.03	0.808	0.776	1.04	0.922	1.01	1.17	1988
MEAN	2.19	1.98	2.03	11.1	7.98	5.19	4.00	2.92	2.42	2.60	3.24	2.51	4.67	MEAN

LOCATION - LAT 50 42 30 N
LONG 104 47 50 W

DRAINAGE AREA, 33 700 km²
REGULATED

QU'APPELLE RIVER BELOW CRAVEN DAM - STATION NO. 05JK002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1926	---	---	---	---	1926
1927	---	39.9 ON APR 14	---	---	1927
1944	---	---	0 ON MAY 12 *	---	1944
1945	---	---	0 B ON MAR 1	---	1945
1946	---	4.810 ON MAR 25	---	---	1946
1947	---	29.4 ON APR 11	---	---	1947
1948	---	37.9 ON MAY 1	0 B ON MAR 1	---	1948
1949	---	5.85 ON MAY 31	0 B ON MAR 1	---	1949
1950	---	13.3 B ON APR 18	0 B ON MAR 1	---	1950
1951	---	13.1 B ON APR 22	0 B ON MAR 1	---	1951
1952	---	22.5 B ON APR 5	0 B ON MAR 1	---	1952
1953	---	11.5 B ON MAR 31	0 B ON MAR 1	---	1953
1954	---	---	---	---	1954
1955	---	48.0 ON MAY 6	4.76 B ON JAN 1	576 000	1955
1956	---	46.7 ON APR 22	0.509 ON OCT 31	361 000	1956
1957	---	23.0 B ON APR 8	0.2838 ON DEC 31	168 000	1957
1958	---	10.3 ON APR 7	0.014 ON SEP 16	27 200	1958
1959	---	16.4 ON APR 26	0.023 ON AUG 18	23 000	1959
1960	---	25.6 ON APR 6	0.048 ON OCT 24	84 700	1960
1961	13.5 AT 07:00 CST ON APR 13	12.9 ON APR 11	0.0258 ON NOV 5	20 800	1961
1962	11.4 AT 08:30 CST ON APR 28	11.2 ON APR 28	0 ON OCT 3	9 210	1962
1963	10.0 AT 10:00 CST ON APR 11	8.51 ON APR 11	0.0488 ON FEB 9	20 800	1963
1964	---	10.6 ON APR 30	0.085 ON OCT 26	12 000	1964
1965	---	13.2 B ON APR 16	0 ON NOV 2	20 400	1965
1966	8.978 AT 09:30 CST ON MAR 31	8.808 ON MAR 31	0.031 ON NOV 4	17 500	1966
1967	30.3 AT 12:00 CST ON APR 18	30.3 ON APR 20	0.0118 ON MAR 10	68 800	1967
1968	10.1 AT 08:00 CST ON MAR 7	8.85 ON MAR 7	0.042 ON OCT 8	37 800	1968
1969	84.7 AT 01:00 CST ON APR 17	82.7 ON APR 17	0.0378 ON MAR 25	211 000	1969
1970	38.2 AT 00:30 CST ON APR 12	34.8 ON APR 12	0.1878 ON APR 4	283 000	1970
1971	88.1 AT 21:23 CST ON APR 14	64.3 ON APR 14	0.061 ON JUL 13	205 000	1971
1972	12.7 AT 10:32 CST ON APR 13	12.5 ON APR 13	0.130 ON MAY 4	87 200	1972
1973	7.50 AT 01:15 CST ON APR 15	7.14 ON APR 15	0.147 ON APR 20	77 800	1973
1974	142 AT 08:48 CST ON APR 24 *	141 ON APR 24 *	0.7788 ON FEB 14	853 000	1974
1975	53.5 AT 15:47 CST ON MAY 2	53.2 ON MAY 3	3.37 B ON APR 9	414 000	1975
1976	90.8 AT 10:37 CST ON APR 8	88.8 ON APR 8	2.21 B ON FEB 2	484 000	1976
1977	8.46 AT 11:40 CST ON MAY 30	5.89 ON MAR 15	0.026 ON MAY 4	48 300	1977
1978	17.1 B AT 05:37 CST ON APR 8	16.9 B ON APR 8	0.040 ON OCT 26	34 000	1978
1979	36.3 AT 00:30 CST ON APR 26	36.3 ON APR 26	0.8628 ON FEB 14	208 000	1979
1980	8.348 AT 12:00 CST ON APR 7	7.868 ON APR 7	0.203 ON MAY 6	56 400	1980
1981	8.85 AT 08:50 CST ON APR 3	5.78 ON APR 3	0.428 ON OCT 9	57 200	1981
1982	83.0 AT 14:48 CST ON APR 22	82.1 ON APR 22	0.4408 ON MAR 27	226 000	1982
1983	20.1 AT 08:34 CST ON APR 28	10.8 ON APR 17	1.21 ON JUN 4	201 000	1983
1984	8.728 AT 13:03 CST ON MAR 20	8.618 ON MAR 20	0.5918 ON DEC 21	88 300	1984
1985	8.788 AT 05:01 CST ON MAR 21	8.128 ON MAR 20	0.3048 ON FEB 2	83 600	1985
1986	7.35 AT 11:43 CST ON SEP 2	6.038 ON MAR 4	0.031 ON SEP 28	63 100	1986
1987	5.44 AT 06:57 CST ON APR 4	5.36 ON APR 4	0.120 ON OCT 5	84 800	1987
1988	3.82 AT 10:50 CST ON JUN 1	3.34 ON JUN 4	0.388 ON OCT 1	37 000	1988
				147 000	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

QU'APPELLE RIVER BELOW EYEBROW LAKE - STATION NO. 05JG011

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1981	---	---	0.015	0.188	1.56	2.32	2.50	2.17	2.85	0.065	---	---	1.47	1981
1982	---	---	0.018	0.078	0.081	2.26	2.43	3.33	2.37	0.088	---	---	1.20	1982
1983	---	---	0.553	0.788	1.84	2.36	2.12	0.280	2.34	1.70	---	---	1.50	1983
MEAN	---	---	0.195	0.347	1.25	2.31	2.35	1.60	2.46	0.611	---	---	1.39	MEAN

LOCATION - LAT 50 54 20 N DRAINAGE AREA, 1 550 km^2
LONG 105 08 00 W REGULATED

QU'APPELLE RIVER BELOW EYEBROW LAKE - STATION NO. 05JG011

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1981	---	3.03 ON SEP 18	0E ON MAR 1 *	31 000	1981
1982	---	2.83 ON JUL 15	0E ON MAR 1	25 300	1982
1983	---	4.13 ON MAR 24 *	0E ON MAR 1	31 700	1983
				29 300	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD
E - ESTIMATED

QU'APPELLE RIVER BELOW KATEPWA LAKE - STATION NO. 05JL001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1955	---	---	---	17.3	44.8	40.0	35.0	28.4	---	---	---	---	---	1955
1956	---	---	---	22.9	46.7	26.8	22.2	16.2	8.59	1.81	---	---	---	1956
1956	---	---	---	---	---	---	---	---	0.005	0.002	---	---	---	1956
1957	---	---	0	2.61	12.4	2.98	0.375	0.059	0.009	0.036	0.375	1.42	---	1957
1958	1.67	1.95	5.10	1.53	0.976	0.358	0.844	1.46	1.64	0.456	0.586	0.585	1.42	1958
1959	0.811	1.26	1.14	10.9	30.6	14.7	5.98	2.05	3.31	4.28	2.62	4.76	7.00	1959
1970	3.56	3.50	2.61	9.59	27.4	26.6	17.3	8.34	3.42	5.81	7.25	5.63	10.1	1970
1971	4.96	3.84	4.53	20.6	33.6	3.55	0.829	0.460	0.689	4.41	5.65	5.56	7.48	1971
1972	5.63	4.36	4.78	9.92	3.45	0.228	0.310	1.56	2.00	2.11	4.42	4.28	3.56	1972
1973	3.04	2.40	2.28	2.23	1.80	2.43	2.79	0.761	0.552	1.31	3.27	3.66	2.23	1973
1974	3.63	2.67	2.21	10.2	65.6	42.7	21.8	26.1	23.9	20.1	14.7	12.0	21.6	1974
1975	9.33	7.41	6.14	17.6	46.6	29.7	22.7	14.9	13.7	11.5	6.51	6.15	16.3	1975
1976	5.03	4.56	4.66	49.5	40.3	26.7	22.3	14.5	9.73	8.06	7.64	5.90	16.6	1976
1977	3.61	2.60	2.46	2.34	2.70	1.57	0.848	0.485	0.510	0.326	0.097	0.145	1.60	1977
1978	1.01	1.48	1.92	4.13	4.24	2.31	0.886	0.158	0.083	0.058	1.71	3.47	1.79	1978
1979	2.04	1.50	1.67	9.61	27.9	15.9	4.98	2.02	1.69	3.00	---	---	---	1979
1980	---	---	2.61	8.55	1.62	0.380	0.380	0.830	0.355	2.15	6.61	2.29	---	1980
1981	1.96	1.62	1.68	0.471	0.555	1.62	2.05	0.855	1.48	1.28	2.35	2.29	1.61	1981
1982	1.29	0.841	0.837	11.5	29.0	8.95	1.29	2.42	2.90	7.86	8.32	7.47	6.75	1982
1983	7.34	7.06	7.34	12.9	13.9	5.06	5.52	5.25	4.35	7.25	5.34	4.34	7.49	1983
1984	4.37	5.20	4.79	2.14	1.02	1.58	1.72	0.589	1.20	1.20	1.36	1.36	2.19	1984
1985	1.64	1.87	2.75	7.43	1.80	5.02	2.87	2.72	4.27	5.84	5.77	4.37	3.86	1985
1986	4.26	3.82	4.46	1.83	1.89	0.588	0.831	0.261	0.210	1.26	2.35	2.36	2.00	1986
1987	3.38	2.86	3.12	2.73	1.20	0.342	0.617	0.243	0.578	0.820	2.83	1.94	1.87	1987
1988	1.34	0.806	0.843	0.806	0.862	0.166	0.383	0.320	0.048	0.037	1.13	1.42	0.621	1988
MEAN	3.80	3.09	3.10	8.90	16.4	10.9	7.81	5.28	3.48	3.89	4.30	3.94	8.09	MEAN

LOCATION - LAT 50 38 41 N DRAINAGE AREA, 40 800 km²
LONG 102 36 02 W REGULATED

QU'APPELLE RIVER BELOW KATEPWA LAKE - STATION NO. 05JL001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1955	---	53.2 ON MAY 24	---	---	1955
1956	---	55.6 ON MAY 13	0 B ON MAR 20 *	---	1956
1956	---	---	0 ON SEP 5	---	1956
1957	---	16.1 ON MAY 16	0 E ON MAR 1	---	1957
1958	6.71 AT 14:30 CST ON MAR 20	6.71 ON MAR 19	0.014E ON OCT 20	45 000	1958
1959	30.8 AT 12:00 CST ON MAY 9	37.8 ON MAY 7	0 ON AUG 17	221 000	1959
1970	37.8 AT 17:20 CST ON MAY 31	34.0 ON JUN 1	1.03 ON SEP 11	316 000	1970
1971	48.4 AT 13:05 CST ON MAY 6	44.7 ON MAY 6	0 ON SEP 18	236 000	1971
1972	13.2 AT 00:34 CST ON APR 27	13.0 ON APR 26	0 ON JUN 12	114 000	1972
1973	8.85 AT 10:38 CST ON JUL 2	7.39 ON JUL 2	0.178 ON SEP 20	70 200	1973
1974	80.7 AT 14:30 CST ON MAY 8 *	78.8 ON MAY 8 *	2.02 ON MAR 12	678 000	1974
1975	85.6 AT 16:42 CST ON APR 30	85.5 ON MAY 1	5.41 ON DEC 22	513 000	1975
1976	78.8 AT 08:11 CST ON APR 10	78.2 ON APR 10	4.05 ON MAR 17	526 000	1976
1977	---	4.81B ON JAN 1	0.037B ON NOV 16	47 300	1977
1978	8.88 AT 13:15 CST ON MAR 31	7.82B ON MAR 31	0.031A ON OCT 27	56 300	1978
1979	33.7 AT 16:55 CST ON JUN 1	32.3 ON MAY 17	1.05 E ON OCT 10	---	1979
1980	15.8 B AT 23:00 CST ON APR 6	15.0 ON APR 7	0.034 ON SEP 20	---	1980
1981	6.03 AT 05:32 CST ON JUL 15	5.35 ON JUN 28	0.193 ON AUG 26	47 800	1981
1982	33.6 AT 12:03 CST ON MAY 10	33.6 ON MAY 10	0.618 ON JUL 14	213 000	1982
1983	25.0 AT 01:20 CST ON APR 20	24.2 ON APR 20	2.48 ON JUN 22	236 000	1983
1984	7.27 AT 10:56 CST ON FEB 5	6.60 ON FEB 5	0.084 ON AUG 23	88 200	1984
1985	15.6 AT 04:28 CST ON APR 3	15.6 ON APR 3	0.886 ON AUG 1	126 000	1985
1986	8.28 AT 00:45 CST ON MAR 18	8.21 ON MAR 18	0.058 ON JUN 28	63 100	1986
1987	---	4.65A ON NOV 4	0.038 ON JUL 2	52 800	1987
1988	1.81 AT 23:06 CST ON MAY 14	1.65B ON JAN 1	0.001 ON OCT 16	19 700	1988
				192 000	MEAN

A - MANUAL GAUGE
(SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

QU'APPELLE RIVER BELOW LOON CREEK - STATION NO. 05JK007

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1955	---	---	5.23	21.7	43.9	36.1	25.6	23.5	---	---	---	---	---	1955
1956	---	---	---	29.6	32.7	23.4	21.2	9.57	2.76	1.71	---	---	---	1956
1968	---	---	---	1.10	0.210	0.955	0.713	1.17	0.245	0.051	---	---	---	1968
1969	---	---	0.581	25.5	22.5	6.22	3.97	3.36	3.02	3.72	---	---	---	1969
1970	---	---	2.87	18.2	26.0	22.9	8.98	4.33	5.41	7.33	7.32	4.32	---	1970
1971	3.70	3.01	3.31	29.6	14.7	0.548	0.202	1.43	1.44	5.09	7.59	5.24	6.48	1971
1972	4.52	3.00	3.91	11.6	2.01	1.41	2.49	3.15	2.53	3.06	3.77	2.38	3.85	1972
1973	1.73	1.75	2.78	2.88	2.84	3.72	2.21	1.89	1.49	2.95	2.33	1.81	2.39	1973
1974	1.83	1.56	1.10	36.7	51.1	37.3	28.2	24.1	20.2	16.0	12.3	8.41	18.8	1974
1975	7.45	5.81	4.69	18.2	41.6	22.1	20.6	13.9	13.8	9.89	7.05	4.73	14.1	1975
1976	4.02	3.02	3.42	55.9	25.5	18.7	18.7	13.2	11.4	8.92	7.42	3.85	14.7	1976
1977	2.56	2.25	2.85	2.15	1.08	2.80	1.82	1.41	0.957	1.18	1.40	1.41	1.82	1977
1978	0.987	0.955	1.12	4.63	1.34	0.501	0.439	0.302	0.234	0.156	1.22	1.63	1.13	1978
1979	1.25	0.994	1.41	7.06	27.0	12.9	4.69	3.18	3.24	4.38	5.80	4.25	6.48	1979
1980	2.48	1.80	1.80	6.78	0.532	0.954	2.07	2.33	1.77	1.91	1.49	0.930	2.08	1980
1981	1.16	1.30	1.38	1.84	3.41	3.01	2.73	1.44	0.870	0.986	1.74	1.10	1.73	1981
1982	0.972	0.781	1.10	17.3	22.0	3.82	3.45	3.06	3.39	7.06	7.30	5.55	5.42	1982
1983	5.13	5.41	5.27	14.4	13.9	3.04	5.60	4.48	4.79	4.85	4.73	4.21	6.38	1983
1984	3.86	3.82	4.17	4.82	2.76	3.29	2.38	1.84	1.82	1.12	0.733	0.433	2.65	1984
1985	0.503	0.137	2.27	5.13	3.38	4.12	3.48	4.15	3.76	4.24	4.06	3.22	3.22	1985
1986	3.11	3.26	3.15	0.786	3.82	1.63	1.72	0.588	0.769	0.371	0.510	2.53	1.65	1986
1987	3.33	3.20	3.31	3.77	2.50	1.78	1.84	1.44	0.188	0.467	1.37	1.05	2.01	1987
1988	0.899	0.772	1.10	1.06	1.83	1.86	0.842	0.718	0.833	0.985	1.01	0.892	1.06	1988
MEAN	2.80	2.39	2.72	13.8	15.2	9.37	7.20	5.42	3.85	3.96	4.17	3.16	5.44	MEAN

LOCATION - LAT 50 47 11 N DRAINAGE AREA, 38 800 km²
LONG 104 17 21 W REGULATED

QU'APPELLE RIVER BELOW LOON CREEK - STATION NO. 05JK007

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1955	---	52.1 E ON MAY 6	---	---	1955
1956	---	46.3 ON APR 26	---	---	1956
1968	---	---	0 ON OCT 19 *	---	1968
1969	---	70.2 ON APR 20	---	---	1969
1970	---	33.4 ON APR 22	---	---	1970
1971	62.0 AT 20:00 CST ON APR 19	60.8 ON APR 18	0 ON JUN 17	204 000	1971
1972	22.5 AT 10:30 CST ON APR 12	22.1 ON APR 12	0.597 ON MAY 20	115 000	1972
1973	8.28 AT 23:56 CST ON MAR 28	5.89 ON MAR 31	0.167 ON MAY 6	75 500	1973
1974	195 AT 22:42 CST ON APR 26 *	182 ON APR 26 *	0.4678 ON MAR 22	627 000	1974
1975	60.9 AT 10:43 CST ON MAY 9	60.0 ON MAY 9	4.22 B ON APR 10	443 000	1975
1976	73.9 AT 23:27 CST ON APR 9	73.1 ON APR 9	2.78 B ON FEB 24	464 000	1976
1977	4.93 AT 02:26 CST ON MAY 27	4.678 ON MAR 17	0.122 ON MAY 17	57 300	1977
1978	---	13.0 B ON APR 10	0.091 ON OCT 23	35 500	1978
1979	36.6 AT 22:12 CST ON MAY 3	36.5 ON MAY 3	0.8108 ON FEB 22	204 000	1979
1980	19.8 B AT 19:55 CST ON APR 5	18.8 B ON APR 7	0.087 ON JUN 2	85 100	1980
1981	5.09 AT 03:09 CST ON MAY 2	5.72 ON MAY 2	0.182 ON APR 26	54 700	1981
1982	61.0 AT 21:50 CST ON APR 25	60.8 ON APR 27	0.3678 ON JAN 30	203 000	1982
1983	20.8 AT 11:03 CST ON APR 23	20.8 ON APR 23	2.47 ON JUN 16	201 000	1983
1984	8.008 AT 12:01 CST ON APR 4	6.228 ON APR 4	0.131 ON MAY 20	60 800	1984
1985	18.7 B AT 22:09 CST ON APR 2	14.5 ON APR 3	0.0389 ON FEB 20	102 000	1985
1986	4.82 AT 19:22 CST ON MAY 11	4.81 ON MAY 11	0.014 ON OCT 2	56 300	1986
1987	9.628 AT 14:05 CST ON APR 5	9.068 ON APR 5	0.100E ON AUG 25	83 500	1987
1988	3.17 AT 01:38 CST ON MAY 20	2.90 ON JUN 8	0.196 ON APR 30	33 400	1988
				172 000	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

QU'APPELLE RIVER BELOW MOOSE JAW RIVER - STATION NO. 05JG007

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1944	---	---	0	0.151	0.185	1.04	0.250	0.055	0.092	0.143	---	---	---	1944
1945	---	---	0.251	0.177	0.029	0.085	0.038	0.004	0.055	0.083	---	---	---	1945
1946	---	---	1.76	1.85	0.239	0.450	0.897	0.581	0.255	0.015	---	---	---	1946
1947	---	---	0.219	14.4	5.53	0.770	1.58	1.12	0.806	0.187	---	---	---	1947
1948	---	---	0.131	14.3	36.6	9.26	2.03	0.577	1.09	2.52	---	---	---	1948
1949	---	---	0.182	1.40	0.178	0.055	0.181	0.115	0.083	0.053	---	---	---	1949
1950	---	---	0.503	7.33	7.33	0.897	0.322	0.203	0.023	0.005	---	---	---	1950
1951	---	---	0	13.7	21.5	4.57	4.89	0.200	2.71	0.438	---	---	---	1951
1952	---	---	0.890	27.4	9.36	0.243	0.655	0.184	0.140	3.75	---	---	---	1952
1953	---	---	0.930	2.10	0.923	32.2	30.2	2.83	0.171	0.084	---	---	---	1953
1954	---	---	0.138	0.211	0.161	2.05	0.791	0.857	7.08	3.87	---	---	---	1954
1955	---	---	0.978	30.6	42.4	10.7	5.46	2.88	0.571	0.188	---	---	---	1955
1956	---	---	3.14	37.6	30.3	2.88	1.87	0.358	0.157	0.185	---	---	---	1956
1957	---	---	1.74	5.80	2.21	0.280	0.139	0.112	0.085	0.112	---	---	---	1957
1958	---	---	1.18	4.89	0.551	0.110	0.084	0.043	0.023	0.005	---	---	---	1958
1959	---	---	0.837	0.388	0.187	0.458	0.338	0.014	0.104	0.708	---	---	---	1959
1960	---	---	4.96	27.3	5.85	2.78	5.19	0.125	0.008	0.058	---	---	---	1960
1961	---	---	2.34	0.775	0.058	0.002	0.004	0	0.002	0.008	---	---	---	1961
1962	---	---	0.815	5.26	0.158	0.484	0.170	0.074	0.013	0.007	---	---	---	1962
1963	---	---	0.770	1.71	0.088	0.941	5.46	1.50	0.073	0.117	---	---	---	1963
1964	---	---	0.118	2.22	0.549	0.384	0.089	0.057	0.028	0	---	---	---	1964
1965	---	---	0	6.81	5.93	6.18	2.88	0.253	0.187	0.012	---	---	---	1965
1966	---	---	5.41	2.38	0.485	0.171	0.268	0.317	0.153	0.005	---	---	---	1966
1967	---	---	0.525	20.3	4.41	0.437	0.291	0.187	2.31	3.72	3.76	3.82	---	1967
1968	4.84	5.57	7.15	3.88	3.02	2.08	1.15	1.47	0.885	0.539	2.18	3.40	3.00	1968
1969	3.58	5.05	1.88	47.6	20.7	3.26	1.68	0.426	0.233	0.986	1.80	2.08	7.40	1969
1970	1.65	4.44	3.85	29.5	37.5	6.34	1.56	0.112	0.031	0.228	1.31	0.982	7.46	1970
1971	0.752	1.09	1.12	35.3	8.48	1.14	0.724	0.223	0.200	0.358	1.01	0.888	4.08	1971
1972	0.813	0.732	5.84	3.87	0.702	1.56	2.61	3.26	0.445	0.154	0.888	0.730	1.83	1972
1973	0.581	0.816	1.15	4.52	5.80	2.75	1.29	2.04	1.42	1.03	0.901	0.842	1.90	1973
1974	0.800	1.03	0.748	52.0	52.4	15.2	0.844	2.88	1.43	0.340	1.23	1.27	14.2	1974
1975	0.780	0.802	0.798	24.2	35.7	2.47	3.00	0.241	0.460	0.467	0.588	0.428	5.86	1975
1976	0.602	0.657	10.6	73.8	11.8	8.78	3.84	1.15	0.184	0.423	0.587	0.851	8.14	1976
1977	0.583	0.787	0.588	0.321	2.80	2.04	1.16	0.585	0.522	0.484	1.16	0.532	0.889	1977
1978	0.481	0.500	1.88	7.28	1.27	0.375	0.494	0.585	0.289	0.431	0.970	0.904	1.26	1978
1979	0.516	0.858	1.77	20.8	28.5	2.80	4.34	0.348	0.512	0.579	0.815	0.675	5.26	1979
1980	0.887	0.827	1.07	3.38	1.11	1.08	2.18	2.34	2.03	1.18	0.901	0.851	1.43	1980
1981	0.783	0.892	1.03	3.80	6.82	7.80	5.84	5.24	1.59	1.02	0.874	0.817	3.36	1981
1982	0.727	0.574	0.908	42.1	18.5	8.11	4.81	2.37	1.12	1.08	0.487	0.588	8.43	1982
1983	0.808	0.625	3.49	28.8	8.34	1.38	0.770	0.480	0.885	0.613	0.634	0.715	3.88	1983
1984	0.827	0.824	1.11	2.05	3.30	3.08	2.26	2.26	1.32	2.27	0.901	0.804	1.72	1984
1985	0.752	0.737	3.29	8.30	3.65	0.988	0.828	0.938	0.825	0.487	0.885	0.884	1.72	1985
1986	0.883	1.15	5.85	2.83	13.4	3.23	3.47	0.733	0.588	1.12	0.821	0.584	2.88	1986
1987	0.808	0.808	1.65	4.87	4.32	5.08	7.40	3.78	2.40	2.44	1.21	0.838	2.81	1987
1988	0.841	0.587	0.714	2.81	4.80	3.80	2.01	2.22	2.88	2.71	0.398	0.584	1.92	1988
MEAN	1.06	1.38	1.84	14.8	8.88	3.87	2.72	1.05	0.784	0.788	1.08	1.05	4.32	MEAN

LOCATION - LAT 50 34 40 N DRAINAGE AREA, 12 800 km²
LONG 105 18 00 W REGULATED

QU'APPELLE RIVER BELOW MOOSE JAW RIVER - STATION NO. 05JG007

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1944	---	4.47 ON JUN 17	0 B ON MAR 1 *	---	1944
1945	---	0.821B ON MAR 22	0 B ON MAR 1	---	1945
1946	---	8.32 B ON MAR 15	0 B ON MAR 1	---	1946
1947	---	22.3 ON APR 15	0 B ON MAR 1	---	1947
1948	---	58.2 ON APR 26	0 B ON MAR 1	---	1948
1949	---	3.14 ON APR 16	0 B ON MAR 1	---	1949
1950	---	21.0 ON APR 25	0 ON SEP 7	---	1950
1951	---	25.6 ON MAY 14	0 B ON MAR 1	---	1951
1952	---	34.6 ON APR 13	0 B ON MAR 1	---	1952
1953	---	57.2 ON JUN 10	0.028B ON MAR 1	---	1953
1954	---	18.2 ON SEP 21	0.057B ON MAR 28	---	1954
1955	82.3 AT 08:00 CST ON MAY 10	80.6 ON MAY 10	0.057B ON MAR 9	---	1955
1956	---	61.7 ON APR 22	0.014B ON MAR 1	---	1956
1957	13.2 B AT 11:00 CST ON APR 9	10.9 B ON APR 8	0.028B ON MAR 1	---	1957
1958	12.4 AT 13:00 CST ON APR 5	12.1 ON APR 5	0 ON SEP 24	---	1958
1959	4.80B AT 17:30 CST ON MAR 15	3.82 B ON MAR 15	0 B ON MAR 1	---	1959
1960	39.1 AT 22:00 CST ON APR 5	38.2 ON APR 5	0 B ON MAR 1	---	1960
1961	---	8.81 B ON MAR 19	0 ON JUN 11	---	1961
1962	15.9 B AT 21:00 CST ON APR 3	14.9 B ON APR 3	0 B ON MAR 1	---	1962
1963	11.4 AT 24:00 CST ON JUL 12	9.91 A ON JUL 20	0.003 ON SEP 8	---	1963
1964	8.18B AT 02:00 CST ON APR 11	7.73 B ON APR 11	0 ON JUL 11	---	1964
1965	17.0 * AT 21:30 CST ON APR 20	17.0 B ON APR 21	0 B ON MAR 1	---	1965
1966	19.3 AT 22:30 CST ON MAR 18	16.8 ON MAR 18	0 B ON MAR 1	---	1966
1967	26.8 AT 07:00 CST ON APR 19	26.6 ON APR 19	0 B ON MAR 1	---	1967
1968	13.0 AT 02:30 CST ON MAR 6	12.1 ON MAR 6	0.025 ON OCT 5	94 800	1968
1969	144 AT 16:30 CST ON APR 13	138 ON APR 13	0 ON SEP 5	233 000	1969
1970	84.6 AT 13:23 CST ON MAY 11	84.3 ON MAY 11	0.001 ON SEP 7	235 000	1970
1971	76.7 B AT 03:26 CST ON APR 13	72.6 B ON APR 13	0.008 ON SEP 14	128 000	1971
1972	21.6 B AT 04:31 CST ON MAR 27	20.7 B ON MAR 27	0 ON SEP 16	57 900	1972
1973	11.0 AT 23:36 CST ON MAY 8	10.5 ON MAY 10	0.408B ON DEC 27	59 800	1973
1974	288 AT 08:54 CST ON APR 21 *	278 ON APR 21 *	0.244 ON OCT 20	447 000	1974
1975	81.0 AT 03:02 CST ON APR 27	78.8 ON APR 27	0.034 ON AUG 31	185 000	1975
1976	102 AT 14:12 CST ON APR 6	98.7 ON APR 7	0.085 ON SEP 30	289 000	1976
1977	14.0 AT 16:30 CST ON MAY 26	12.8 ON MAY 26	0.088 ON SEP 1	31 600	1977
1978	20.8 AT 11:36 CST ON APR 6	20.1 ON APR 6	0.037 ON OCT 11	39 800	1978
1979	71.6 AT 01:54 CST ON APR 27	71.2 ON APR 26	0.081 ON SEP 5	168 000	1979
1980	8.10B AT 23:13 CST ON APR 9	8.82 B ON APR 11	0.500B ON DEC 18	45 300	1980
1981	11.6 AT 14:39 CST ON JUL 19	10.7 ON APR 25	0.858B ON FEB 26	105 000	1981
1982	114 AT 23:13 CST ON APR 19	111 ON APR 20	0.102B ON NOV 20	203 000	1982
1983	57.6 AT 11:04 CST ON APR 10	55.2 ON APR 10	0.217 ON NOV 2	123 000	1983
1984	4.20 AT 23:57 CST ON APR 27	4.08 ON APR 26	0.545B ON DEC 20	54 400	1984
1985	11.4 B AT 18:26 CST ON MAR 28	10.1 B ON MAR 29	0.350 ON OCT 15	54 100	1985
1986	24.4 AT 02:02 CST ON MAY 17	23.7 ON MAY 17	0.324B ON DEC 25	90 800	1986
1987	9.21 AT 20:06 CST ON JUL 23	8.06 ON JUL 23	0.062B ON DEC 10	51 800	1987
1988	8.53 AT 20:49 CST ON JUN 2	8.36 ON JUN 2	0.138 ON NOV 10	80 800	1988
				133 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

QU'APPELLE RIVER BELOW ROUND LAKE - STATION NO. 05JH008

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1958	---	---	---	58.8	112	82.0	47.3	32.7	---	---	---	---	---	1958
1959	---	---	---	---	81.7	43.8	36.8	18.4	12.4	8.53	---	---	---	1959
MEAN	---	---	---	58.8	96.8	63.0	38.1	25.1	12.4	8.53	---	---	---	MEAN

LOCATION - LAT 50 30 30 N, LONG 102 15 31 W DRAINAGE AREA, 47 100 km^2, REGULATED DATA CONTRIBUTED BY - PRAIRIE FARM REHABILITATION ADMINISTRATION

QU'APPELLE RIVER BELOW ROUND LAKE - STATION NO. 05JH008

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1958	---	189E ON MAY 9 *	---	---	1958
1959	---	122 ON APR 24	---	---	1959
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

E - ESTIMATED

QU'APPELLE RIVER NEAR LUMSDEN - STATION NO. 05JF001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1911	---	---	---	---	---	3.54	1.21	0.385	0.907	---	---	0.078	---	1911
1912	0.021	0.010	0.446	11.2	14.8	4.48	2.45	0.888	0.828	0.886	0.471	0.077	3.04	1912
1913	0.031	0.071	1.72	12.1	2.32	1.31	1.33	0.864	0.437	0.258	0.212	0.108	1.73	1913
1914	0.032	0	0.052	2.44	0.841	0.987	0.580	0.214	0.154	0.159	0.124	0.067	0.451	1914
1915	0.022	0.002	0.002	0.264	0.318	0.217	0.187	0.074	0.104	0.264	0.107	0.058	0.133	1915
1916	0.015	0.008	0.005	38.5	15.4	7.01	3.20	1.43	0.948	0.826	0.808	0.192	5.75	1916
1917	0.028	0.020	0.028	31.1	15.8	4.82	2.15	1.02	0.717	0.705	0.500	0.038	4.72	1917
1918	0.002	0.012	8.57	5.57	3.05	1.14	0.308	0.181	0.111	0.184	0.176	0.126	1.83	1918
1919	0.120	0.032	0.042	4.94	1.40	0.220	0.122	0.024	0.035	0.080	0.081	0.021	0.588	1919
1920	0.004	0.001	2.48	12.4	5.67	1.87	0.557	0.211	0.183	0.264	0.143	0.104	2.26	1920
1921	0.003	0.061	0.434	1.23	1.33	0.832	1.88	0.373	0.288	0.838	0.292	0.118	0.812	1921
1922	0.047	0.012	4.21	40.1	17.8	8.24	3.84	1.40	0.727	0.858	0.444	0.225	8.42	1922
1923	0.180	0.084	0.882	14.8	5.45	---	---	---	---	---	---	---	---	1923
1924	---	---	---	15.9	4.86	2.88	2.23	0.788	0.605	0.274	---	---	---	1924
1925	---	---	0.224	0.808	0.378	0.403	0.203	0.081	0.083	0.112	---	---	---	1925
1930	---	---	1.22	9.09	0.788	0.443	0.210	0.184	0.258	0.278	---	---	---	1930
1931	---	---	0.324	1.89	---	---	---	---	---	---	---	---	---	1931
1944	---	---	0	0.531	0.811	1.13	0.841	0.270	0.258	0.278	---	---	---	1944
1945	---	---	0.535	0.741	0.341	0.418	0.278	0.153	0.187	0.243	---	---	---	1945
1946	---	---	3.74	2.21	0.785	0.828	1.25	---	---	---	---	---	---	1946
1947	---	---	0.096	31.8	11.0	2.24	1.78	1.86	1.83	0.417	---	---	---	1947
1948	---	---	0.151	27.6	48.8	14.9	2.00	0.831	0.948	2.84	---	---	---	1948
1949	---	---	0.278	2.89	1.04	0.849	0.445	0.415	0.284	0.340	---	---	---	1949
1950	---	---	0.727	11.3	9	1.84	0.888	0.482	0.288	0.371	---	---	---	1950
1951	---	---	0.113	21.3	30.0	8.27	5.13	0.170	3.30	1.30	---	---	---	1951
1952	---	---	0.198	38.6	13.5	0.785	0.782	0.388	0.418	3.17	---	---	---	1952
1953	---	---	1.88	8.83	2.32	28.3	29.5	8.48	1.83	0.873	---	---	---	1953
1954	---	---	0.870	2.81	1.81	5.01	1.84	1.93	7.87	4.78	---	---	---	1954
1955	---	---	0.885	48.8	88.5	18.2	15.6	5.18	1.27	0.820	---	---	---	1955
1956	---	---	2.74	81.5	38.6	5.26	3.40	1.18	0.833	0.700	---	---	---	1956
1957	---	---	8.11	14.6	3.31	0.877	0.847	0.513	0.412	0.484	---	---	---	1957
1958	---	---	1.88	8.08	1.35	0.486	0.418	0.381	0.411	0.474	---	---	---	1958
1959	---	---	1.53	0.725	0.828	0.927	0.525	0.285	0.513	0.858	---	---	---	1959
1960	---	---	4.83	37.4	8.27	8.83	5.80	0.300	0.218	0.334	---	---	---	1960
1961	---	---	2.86	1.84	0.874	0.523	0.428	0.248	0.335	0.235	---	---	---	1961
1962	---	---	0.882	7.83	0.838	1.34	0.788	0.881	0.327	0.868	---	---	---	1962
1963	---	---	1.11	2.15	1.01	1.81	5.72	1.88	0.764	0.785	---	---	---	1963
1964	---	---	0.425	2.88	1.17	1.18	1.82	0.808	0.884	0.443	---	---	---	1964
1965	---	---	0.260	11.7	7.02	13.8	4.88	0.885	0.838	0.217	---	---	---	1965
1966	---	---	8.21	8.30	1.76	0.831	0.374	0.888	0.818	0.538	---	---	---	1966
1967	---	---	0.807	33.3	7.21	1.08	0.880	0.809	2.82	4.10	4.07	4.08	---	1967
1968	5.04	5.45	9.18	5.80	4.00	2.37	1.81	2.85	1.88	1.14	2.87	3.37	3.83	1968
1969	4.04	5.89	3.38	71.3	26.8	4.18	2.88	1.17	1.05	1.16	1.86	1.89	10.4	1969
1970	2.15	4.62	3.37	41.5	48.8	13.8	2.81	0.848	1.26	0.890	1.28	1.13	8.89	1970
1971	1.08	1.30	1.88	81.4	11.4	2.12	1.83	0.875	0.408	0.278	1.60	1.18	7.02	1971
1972	1.14	1.03	8.21	8.35	2.03	2.21	2.30	3.84	1.22	0.880	1.08	0.808	2.91	1972
1973	0.804	1.01	1.78	4.84	8.00	3.89	2.80	2.35	1.88	1.52	1.18	1.81	2.49	1973
1974	1.88	1.34	1.34	127	84.8	24.8	2.82	3.08	2.82	0.820	1.48	1.84	21.8	1974
1975	1.41	0.931	1.34	35.8	88.3	10.4	5.08	1.52	1.78	1.44	0.881	1.07	11.1	1975
1976	1.20	0.991	7.18	117	18.5	20.7	7.48	2.81	1.29	1.07	1.08	1.17	18.0	1976
1977	0.908	1.48	1.87	1.12	3.78	3.14	2.39	1.17	1.00	1.28	1.88	1.18	1.71	1977
1978	0.828	0.880	2.83	12.3	2.88	1.80	1.18	1.30	1.43	0.803	1.88	1.40	3.41	1978
1979	1.24	1.48	3.23	28.1	44.5	8.21	5.88	0.847	0.888	1.28	1.18	1.26	7.88	1979
1980	1.08	1.10	2.43	10.2	1.88	1.75	3.02	2.88	2.84	1.77	1.04	0.870	2.58	1980
1981	1.27	1.51	1.27	4.87	7.84	8.58	10.0	7.35	2.86	3.28	1.47	1.42	4.23	1981
1982	1.10	0.828	1.11	78.3	28.8	8.28	5.95	3.87	2.01	1.88	1.01	1.03	11.1	1982
1983	1.28	1.30	4.00	37.6	13.7	4.11	14.2	3.88	1.87	1.24	1.81	1.02	7.18	1983
1984	1.18	1.74	4.58	5.78	4.24	4.07	2.70	2.80	2.07	3.11	1.74	1.38	2.88	1984
1985	1.10	1.11	5.88	15.7	5.85	2.13	1.47	1.82	1.88	1.84	1.14	1.81	3.43	1985
1986	1.45	1.80	7.84	4.43	18.0	4.84	5.15	1.73	1.47	1.88	1.38	1.20	4.23	1986
1987	1.22	1.35	3.40	7.35	5.82	8.49	9.00	4.84	2.98	2.58	2.11	1.10	4.13	1987
1988	1.03	1.17	1.78	3.84	5.70	3.70	2.24	2.75	2.37	3.17	0.881	1.08	2.55	1988
MEAN	0.882	1.18	2.28	20.8	13.0	4.81	3.34	1.80	1.21	1.10	1.14	0.895	5.30	MEAN

LOCATION - LAT 50 29 18 N DRAINAGE AREA, 18 300 km²
LONG 104 51 06 W REGULATED

REMARKS - A DISCHARGE ESTIMATED AT 142 m³/s OCCURRED IN 1904

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1911	---	---	---	---	1911
1912	---	25.0 ON MAY 17	0.007 ON MAR 7	98 100	1912
1913	---	22.9 ON APR 1	0 B ON JAN 12 *	84 500	1913
1914	---	5.30 ON APR 17	0 B ON FEB 2	14 200	1914
1915	---	0.530 ON APR 13	0 B ON FEB 15	4 190	1915
1916	---	58.2 ON APR 22	0.001B ON MAR 1	181 000	1916
1917	---	58.5 E ON APR 16	0 B ON DEC 24	149 000	1917
1918	---	27.8 ON MAR 22	0 B ON JAN 6	51 600	1918
1919	---	9.32 ON APR 23	0 ON JUL 24	16 600	1919
1920	---	20.3 B ON APR 21	0.001B ON JAN 13	71 700	1920
1921	---	3.40 ON APR 23	0 B ON JAN 12	19 300	1921
1922	---	72.6 B ON APR 7	0 B ON FEB 26	203 000	1922
1923	---	24.7 B ON APR 13	0.058B ON FEB 14	---	1923
1928	---	41.8 ON APR 2	---	---	1928
1929	---	1.33 ON JUN 17	0 B ON MAR 1	---	1929
1930	---	19.8 B ON APR 5	0.057B ON MAR 1	---	1930
1931	---	---	---	---	1931
1944	---	2.83 ON JUN 18	0 B ON MAR 1	---	1944
1945	---	1.80 B ON MAR 24	0 B ON MAR 1	---	1945
1946	---	12.6 B ON MAR 22	---	---	1946
1947	---	48.1 ON APR 20	0.057B ON MAR 1	---	1947
1948	---	58.7 ON MAY 1	0.142B ON MAR 1	---	1948
1949	---	8.21 ON APR 19	0.113B ON MAR 21	---	1949
1950	---	26.1 ON APR 27	0.170B ON MAR 1	---	1950
1951	---	44.2 ON MAY 6	0.040 ON AUG 22	---	1951
1952	---	44.5 B ON APR 8	0.113B ON MAR 1	---	1952
1953	---	35.7 ON JUL 8	0.057B ON MAR 1	---	1953
1954	---	15.1 ON SEP 23	0.366 ON AUG 20	---	1954
1955	---	81.5 ON MAY 8	0.311B ON MAR 1	---	1955
1956	119 AT 12:00 CST ON APR 21	118 ON APR 21	5.188B ON MAR 1	---	1956
1957	---	26.8 B ON APR 8	0.170B ON MAR 1	---	1957
1958	17.2 AT 10:00 CST ON APR 8	17.1 ON APR 8	0.188B ON MAR 23	---	1958
1959	3.88B AT 16:30 CST ON MAR 16	3.67 B ON MAR 16	0.246 ON AUG 27	---	1959
1960	---	48.8 B ON APR 6	0.057 ON AUG 26	---	1960
1961	11.6 B AT 18:00 CST ON MAR 20	10.7 B ON MAR 21	0.184 ON OCT 14	---	1961
1962	19.8 B AT 11:00 CST ON APR 6	18.8 B ON APR 6	0.023B ON MAR 16	---	1962
1963	10.1 AT 09:00 CST ON JUL 13	9.74 ON JUL 22	0.102B ON MAR 1	---	1963
1964	8.50 AT 09:30 CST ON APR 26	7.31 ON APR 26	0.320B ON MAR 1	---	1964
1965	26.6 B AT 09:00 CST ON APR 16	27.8 B ON APR 16	0.071 ON OCT 26	---	1965
1966	27.4 B AT 12:00 CST ON APR 2	26.8 B ON APR 2	0.028 ON NOV 1	---	1966
1967	---	64.8 ON APR 19	0.236 ON SEP 3	---	1967
1968	20.1 B AT 09:00 CST ON MAR 8	18.8 B ON MAR 7	0.366 ON OCT 7	121 000	1968
1969	193 ON APR 16	187 ON APR 16	0.340B ON OCT 28	327 000	1969
1970	---	83.7 ON MAY 17	0.343 ON OCT 24	316 000	1970
1971	130 AT 22:00 CST ON APR 14	124 ON APR 14	0.082 ON OCT 15	221 000	1971
1972	23.3 B AT 11:00 CST ON MAR 27	23.2 B ON MAR 27	0.286 ON OCT 28	92 100	1972
1973	11.0 AT 18:47 CST ON MAY 11	10.8 ON MAY 11	0.031B ON JAN 6	78 400	1973
1974	442 AT 06:19 CST ON APR 26 *	438 ON APR 26 *	0.832 ON OCT 18	880 000	1974
1975	128 AT 17:50 CST ON MAY 3	127 ON MAY 1	0.371 ON OCT 21	348 000	1975
1976	188 AT 15:55 CST ON APR 8	187 ON APR 8	0.388 ON OCT 8	472 000	1976
1977	14.2 AT 00:30 CST ON MAY 30	12.8 ON MAY 30	0.348 ON OCT 7	53 300	1977
1978	28.8 B AT 21:34 CST ON APR 8	28.8 B ON APR 7	0.130 ON OCT 22	78 200	1978
1979	94.2 AT 08:42 CST ON APR 28	86.1 ON APR 28	0.270 ON SEP 8	252 000	1979
1980	26.6 B AT 06:08 CST ON APR 10	23.5 B ON APR 10	0.543B ON DEC 20	61 500	1980
1981	13.8 AT 02:03 CST ON JUL 21	12.8 ON JUL 21	0.777B ON MAR 22	133 000	1981
1982	219 AT 18:31 CST ON APR 21	210 ON APR 21	0.482B ON MAR 25	351 000	1982
1983	90.1 AT 18:08 CST ON APR 12	88.7 ON APR 17	0.82B ON OCT 26	226 000	1983
1984	18.4 B AT 03:24 CST ON MAR 30	17.7 B ON MAR 30	0.774B ON JAN 12	83 700	1984
1985	33.8 B AT 01:10 CST ON APR 6	32.7 B ON APR 6	0.818B ON NOV 14	106 000	1985
1986	31.8 AT 12:22 CST ON MAY 18	31.8 ON MAY 18	0.898B ON FEB 13	137 000	1986
1987	14.5 AT 04:28 CST ON MAY 29	12.8 ON MAY 29	0.820B ON DEC 26	130 000	1987
1988	10.3 AT 08:02 CST ON APR 18	9.14 ON APR 18	0.811B ON DEC 3	80 600	1988
				184 000	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

QU'APPELLE RIVER NEAR WELBY - STATION NO. 05JM001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1942	---	---	---	---	---	---	0.696	5.37	3.86	---	---	---	---	1942
1943	---	---	---	38.6	27.2	16.2	6.67	2.67	1.90	0.922	---	---	---	1943
1944	---	---	---	3.66	2.11	6.16	2.15	0.798	1.62	1.23	---	---	---	1944
1945	---	---	---	3.71	3.41	2.08	2.11	0.670	0.535	0.762	---	---	---	1945
1946	---	---	---	11.7	2.72	1.34	0.90	0.842	0.654	1.02	---	---	---	1946
1947	---	---	---	26.3	34.6	25.1	15.2	1.87	1.76	1.46	---	---	---	1947
1948	---	---	---	22.6	44.0	16.4	6.16	1.06	0.384	0.563	---	---	---	1948
1949	---	---	---	7.94	1.61	5.14	1.16	0.568	0.433	0.870	1.13	---	---	1949
1950	---	---	---	11.1	6.33	3.83	3.82	2.46	1.03	0.826	0.776	0.483	---	1950
1951	0.610	0.563	0.726	13.8	11.6	6.56	5.26	1.12	0.925	1.56	1.24	0.809	3.62	1951
1952	0.678	0.579	0.786	18.7	7.67	4.07	1.73	0.862	1.30	0.982	0.771	0.634	3.18	1952
1953	0.458	0.600	1.26	27.8	16.0	20.7	14.8	9.63	5.43	4.17	3.42	2.60	8.64	1953
1954	1.87	2.22	2.96	16.4	16.4	47.0	14.1	33.7	16.0	21.0	16.6	10.3	21.8	1954
1955	7.89	7.01	6.80	74.7	141	66.6	51.6	36.3	27.4	---	---	---	---	1955
1974	---	---	3.20	33.7	70.1	61.7	33.1	25.7	23.3	18.9	16.2	12.6	---	1974
1975	9.61	8.61	7.42	30.9	76.6	41.6	22.6	14.7	16.6	14.9	13.0	7.86	22.6	1975
1976	6.46	5.92	5.92	106	70.3	41.9	27.2	16.9	8.06	11.6	9.66	8.26	26.6	1976
1977	6.46	4.11	3.46	2.43	2.69	3.04	2.13	0.784	0.372	2.67	4.04	2.36	2.67	1977
1978	0.823	0.364	0.696	7.46	6.36	4.07	2.66	1.02	0.272	1.96	4.16	1.86	2.64	1978
1979	1.21	1.33	1.61	21.9	64.6	26.9	7.27	3.33	2.39	3.46	6.64	6.56	11.4	1979
1980	6.46	3.70	2.76	11.6	4.09	0.660	0.502	0.321	0.201	3.56	6.66	3.14	3.60	1980
1981	1.76	2.77	2.66	1.22	0.864	0.992	0.191	0.940	1.61	3.72	6.64	3.20	2.14	1981
1982	1.66	1.06	1.63	14.1	26.0	16.4	3.77	3.36	2.04	6.36	6.17	6.20	7.62	1982
1983	7.32	7.07	7.36	23.4	31.0	11.2	6.17	10.1	4.61	6.24	6.69	4.76	10.6	1983
1984	3.60	4.64	6.64	2.20	1.66	1.46	0.993	0.087	0.004	1.36	6.02	2.66	2.67	1984
1985	1.63	0.787	6.46	37.4	6.76	3.94	3.64	2.10	4.47	6.96	6.62	6.74	7.20	1985
1986	4.40	4.32	16.0	6.74	7.63	2.21	2.13	1.63	0.212	3.44	6.46	2.62	4.66	1986
1987	2.31	2.71	3.67	6.52	1.61	1.66	1.46	0.461	1.74	2.44	3.76	2.22	2.66	1987
1988	1.06	1.11	0.962	1.96	1.60	0.923	0.604	0.079	0	0.003	0.304	0.133	0.764	1988
MEAN	3.39	3.13	4.06	21.1	24.4	16.1	10.7	6.24	4.60	4.70	6.07	4.26	6.13	MEAN

LOCATION - LAT 50 28 26 N DRAINAGE AREA, 60 800 km²
LONG 101 33 26 W REGULATED

QU'APPELLE RIVER NEAR WELBY - STATION NO. 05JM001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1942	---	---	---	---	1942
1943	---	64.6 ON APR 8	---	---	1943
1944	---	10.6 ON JUN 28	0 B ON APR 1 *	---	1944
1945	---	14.2 B ON MAR 28	---	---	1945
1946	---	43.0 B ON MAR 30	---	---	1946
1947	---	59.9 ON JUN 28	---	---	1947
1948	---	76.2 ON APR 24	---	---	1948
1949	---	33.7 B ON APR 10	---	---	1949
1950	---	37.4 ON APR 19	---	---	1950
1951	---	23.2 B ON APR 12	0.0388 ON FEB 1	124 000	1951
1952	---	34.6 ON APR 8	0.3118 ON JAN 20	101 000	1952
1953	---	62.1 ON APR 6	0.4268 ON JAN 1	278 000	1953
1954	---	92.0 ON JUL 1	1.66 B ON JAN 17	691 000	1954
1955	---	251 ON MAY 11 *	---	---	1955
1974	---	98.1 B ON APR 17	---	---	1974
1975	192 AT 14:13 CST ON MAY 6	98.4 ON MAY 7	5.40 B ON MAR 30	713 000	1975
1976	188 AT 00:46 CST ON APR 18 *	187 B ON APR 8	4.64 B ON MAR 1	838 000	1976
1977	7.96 AT 15:13 CST ON NOV 6	7.96 ON NOV 6	0.204 ON AUG 30	80 800	1977
1978	10.3 AT 04:52 CST ON APR 15	10.0 ON APR 15	0.1448 ON MAR 16	78 800	1978
1979	82.8 B AT 21:38 CST ON APR 24	80.5 B ON APR 24	1.04 B ON JAN 14	281 000	1979
1980	18.2 AT 18:01 CST ON APR 20	18.0 ON APR 20	0.103 ON AUG 1	114 000	1980
1981	7.86 AT 14:10 CST ON NOV 4	7.44 ON NOV 4	0.033 ON JUL 26	87 800	1981
1982	44.6 B AT 15:56 CST ON APR 18	40.2 B ON APR 18	0.8838 ON FEB 8	250 000	1982
1983	96.6 AT 01:06 CST ON APR 22	84.6 ON APR 22	2.84 ON SEP 5	344 000	1983
1984	10.9 B AT 08:06 CST ON MAR 27	10.6 B ON MAR 27	0 ON AUG 24	84 800	1984
1985	83.7 AT 21:51 CST ON APR 4	76.7 B ON APR 4	0.8488 ON FEB 11	227 000	1985
1986	41.3 AT 12:40 CST ON MAR 31	39.3 ON MAR 31	0.077 ON SEP 19	148 000	1986
1987	34.2 AT 00:38 CST ON APR 7	30.7 B ON APR 8	0.298 ON AUG 7	83 700	1987
1988	4.668 AT 02:10 CST ON APR 8	4.228 ON APR 8	0 ON AUG 12	24 200	1988
				257 000	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

QUILL CREEK NEAR QUILL LAKE - STATION NO. 05MA020

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1983	---	---	0.133	0.118	---	---	---	---	---	---	---	---	---	1983
1984	---	---	---	0.184	---	---	---	---	---	---	---	---	---	1984
1986	---	---	0.001	1.81	---	---	---	---	---	---	---	---	---	1986
1987	---	---	---	0.846	1.09	---	---	---	---	---	---	---	---	1987
1988	---	---	---	0.212	---	---	---	---	---	---	---	---	---	1988
1989	---	---	---	1.89	---	---	---	---	---	---	---	---	---	1989
1970	---	---	---	1.87	0.880	---	---	---	---	---	---	---	---	1970
1971	---	---	---	1.02	---	---	---	---	---	---	---	---	---	1971
1972	---	---	---	---	0.674	---	---	---	---	---	---	---	---	1972
1973	---	---	0.033	0.008	0	0.128	0.118	0.010	0	0	---	---	0.037	1973
1974	---	---	0	3.21	1.01	0.184	0.008	0.020	0.018	0.018	---	---	0.647	1974
1975	---	---	0	3.78	2.23	0.075	0.008	0	0	0	---	---	0.788	1975
1976	---	---	0	1.78	0.883	0.185	0.092	0.001	0	0	---	---	0.258	1976
1977	---	---	0	0.382	0.088	0.018	0	0	0	0	---	---	0.043	1977
1978	---	---	0.017	1.40	0.048	0	0.013	0	0	0	---	---	0.181	1978
1979	---	---	0	4.15	1.77	0.051	0	0	0	0	---	---	0.738	1979
1980	---	---	0	1.38	0.017	0	0	0	0	0	---	---	0.171	1980
1981	---	0	0.008	0.001	0	0	0	0	0	0	---	---	0.001	1981
1982	---	---	0	0.173	0	0.014	0	0	0	0	---	---	0.023	1982
1983	---	---	0	0.819	0.089	0	0.112	0.031	0	0	---	---	0.130	1983
1984	---	---	0.323	0.297	0.127	0.186	0.003	0	0	0	---	---	0.114	1984
1985	---	---	0	5.79	0.821	0.004	0.001	0	0	0	---	---	0.788	1985
1986	---	---	0.712	0.397	0.038	0	0.002	0	0	0	---	---	0.144	1986
1987	---	---	0.016	0.721	0	0.001	0	0	0	0	---	---	0.080	1987
1988	---	---	0	3.16	0.088	0	0	0	0	0	---	---	0.400	1988
MEAN	---	0	0.089	1.48	0.474	0.050	0.022	0.004	0.001	0.001	---	---	0.276	MEAN

LOCATION - LAT 52 00 11 N DRAINAGE AREA, 273 km²
LONG 104 14 50 W NATURAL FLOW

QUILL CREEK NEAR QUILL LAKE - STATION NO. 05MA020

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1983	---	0.708 ON MAR 25	0 ON MAR 1 *	---	1983
1984	---	---	---	---	1984
1986	---	---	---	---	1986
1987	---	---	---	---	1987
1988	---	---	---	---	1988
1989	---	---	---	---	1989
1970	---	---	---	---	1970
1971	---	---	OB ON APR 1	---	1971
1972	---	---	---	---	1972
1973	0.498 AT 19:46 CST ON JUN 5	0.487 ON JUN 5	OB ON MAR 1	784	1973
1974	17.4 B AT 16:20 CST ON APR 20	16.3 ON APR 21	OB ON MAR 1	11 600	1974
1975	22.2 AT 00:09 CST ON APR 29 *	21.3 ON APR 29 *	OB ON MAR 1	16 000	1975
1976	11.3 AT 04:44 CST ON APR 9	9.85 ON APR 9	OB ON MAR 1	5 470	1976
1977	2.49 AT 13:25 CST ON APR 9	1.90 ON APR 9	OB ON MAR 1	814	1977
1978	3.78 B AT 04:44 CST ON APR 9	3.17 B ON APR 9	OB ON MAR 1	3 830	1978
1979	16.4 B AT 04:05 CST ON APR 24	17.4 B ON APR 24	OB ON MAR 1	15 700	1979
1980	8.83 AT 01:52 CST ON APR 14	8.68 ON APR 14	OB ON MAR 1	3 820	1980
1981	0.078 AT 08:48 CST ON MAR 27	0.071 ON MAR 27	OB ON MAR 1	28.8	1981
1982	1.81 AT 11:15 CST ON APR 16	0.8388 ON APR 16	OB ON MAR 1	484	1982
1983	5.75 AT 00:55 CST ON APR 22	5.31 ON APR 22	OB ON MAR 1	2 740	1983
1984	2.78 B AT 12:23 CST ON MAR 28	2.32 B ON MAR 28	OB ON MAR 1	2 410	1984
1985	16.0 B AT 05:58 CST ON APR 11	13.6 ON APR 15	OB ON MAR 1	15 700	1985
1986	5.12 AT 10:42 CST ON MAR 31	4.38 ON MAR 30	OB ON MAR 1	3 050	1986
1987	3.85 AT 09:56 CST ON APR 5	3.49 ON APR 7	OB ON MAR 1	1 910	1987
1988	15.2 AT 21:56 CST ON APR 8	14.2 ON APR 7	OB ON MAR 1	8 480	1988
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		5 860	MEAN

RABBIT CREEK NEAR MAKWA - STATION NO. 05AD005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1933	---	---	---	---	2.31	2.61	0.586	0.171	0.433	---	---	---	---	1933
1934	---	---	---	---	0.898	0.504	0.718	0.134	0.012	0.013	---	---	0.398	1934
1935	---	---	---	---	0.737	0.182	0.032	0.003	0.004	0.042	---	---	0.183	1935
1936	---	---	---	---	0.110	0.104	0.040	0	0	0.005	---	---	0.044	1936
1937	---	---	---	---	0.773	0.277	0.083	0.057	0	0	---	---	0.200	1937
1938	---	---	---	---	0.078	0.035	0.018	0.004	0	0	---	---	0.022	1938
1939	---	---	---	---	0.290	0.184	0.152	0.011	---	---	---	---	---	1939
1940	---	---	---	---	0.008	0.012	0.001	0	0	0	---	---	0.002	1940
MEAN	---	---	---	---	0.859	0.474	0.202	0.048	0.083	0.010	---	---	0.138	MEAN

LOCATION - LAT 54 03 25 N DRAINAGE AREA, 290 km²
LONG 108 51 07 W NATURAL FLOW

RABBIT CREEK NEAR MAKWA - STATION NO. 05AD005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1933	---	5.21 ON MAY 26 *	0 ON AUG 31 *	---	1933
1934	---	2.55 ON MAY 1	0.005 ON SEP 7	6 300	1934
1935	---	1.42 ON MAY 1	0 ON AUG 6	2 560	1935
1936	---	0.136 ON JUN 18	0 ON JUL 28	887	1936
1937	---	1.18 ON MAY 17	0 ON JUL 3	3 190	1937
1938	---	0.086 ON MAY 10	0 ON JUL 31	352	1938
1939	---	---	0 ON AUG 17	---	1939
1940	---	0.023 ON JUN 1	0 ON JUL 9	53.5	1940
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		2 200	MEAN

RADDUGA CREEK NEAR BLAINE LAKE - STATION NO. 05EE001

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1964	---	---	0	0.047	---	---	---	---	---	---	---	---	---	1964
1965	---	---	0	0.118	0.005	---	---	---	---	---	---	---	---	1965
1966	---	---	0	0.083	0.005	---	---	---	---	---	---	---	---	1966
1967	---	---	0	0.001	0	---	---	---	---	---	---	---	---	1967
1968	---	---	0.002	---	---	---	---	---	---	---	---	---	---	1968
1969	---	---	0	0.048	---	---	---	---	---	---	---	---	---	1969
1972	---	---	---	---	---	---	---	---	---	---	---	---	---	1972
1974	---	---	0	0.087	0.032	---	---	---	---	---	---	---	---	1974
1975	---	---	0	0.425	1.24	1.31	0.85	0.442	0.108	0.075	---	---	0.556	1975
1976	---	---	0	0.440	0.207	0.013	0.011	0	0	0	---	---	0.083	1976
1977	---	---	0	0	0	0	0	0	0	0	---	---	0	1977
1978	---	---	0	0.003	0	0	0	0	0	0	---	---	0	1978
1979	---	---	0	0.482	0.423	0.105	0.010	0	0	0	---	---	0.124	1979
1980	---	---	0	0.014	0	0	0	0	0	0	---	---	0.002	1980
1981	---	---	0	0	0	0	0	0	0	0	---	---	0	1981
1982	---	---	0	0	0	0	0	0	0	0	---	---	0	1982
1983	---	---	0	0.049	0	0	0	0	0	0	---	---	0.006	1983
1984	---	---	0	0	0	0	0	0	0	0	---	---	0	1984
1985	---	---	0	0.174	0.500	0.132	0.136	0.051	0.070	0.043	---	---	0.143	1985
1986	---	---	0.048	0.357	0.307	0.076	0.015	0.053	0	0	---	---	0.101	1986
MEAN	---	---	0.003	0.182	0.170	0.137	0.086	0.044	0.015	0.010	---	---	0.085	MEAN

LOCATION - LAT 52 41 37 N DRAINAGE AREA, 1 150 km^2
LONG 106 52 26 W NATURAL FLOW

RADDUGA CREEK NEAR BLAINE LAKE - STATION NO. 05EE001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1964	---	---	0B ON MAR 1 *	---	1964
1965	---	0.486 ON APR 21	0B ON MAR 1	---	1965
1966	---	0.181 ON APR 7	0B ON MAR 1	---	1966
1967	---	---	0B ON MAR 1	---	1967
1968	---	---	0B ON MAR 1	---	1968
1969	---	2.10 ON APR 15	0B ON MAR 1	---	1969
1972	---	---	0 ON APR 30	---	1972
1974	---	0.383 ON APR 21	0B ON MAR 1	---	1974
1975	---	1.55 ON JUN 5	0B ON MAR 1	11 800	1975
1976	---	1.10 ON APR 11	0B ON MAR 1	1 760	1976
1977	---	0 ON MAR 1	0 ON MAR 1	0	1977
1978	---	0.008 ON APR 5	0B ON MAR 1	7.17	1978
1979	---	2.28 ON APR 28 *	0B ON MAR 1	2 830	1979
1980	---	0.250 ON APR 14	0B ON MAR 1	35.7	1980
1981	---	0.0028 ON MAR 17	0B ON MAR 1	0.85	1981
1982	0 B AT 00:01 CST ON MAR 1	0 ON MAR 1	0 ON MAR 1	0	1982
1983	---	0.4448 ON APR 6	0B ON MAR 1	126	1983
1984	---	0 ON MAR 1	0 ON MAR 1	0	1984
1985	---	1.08 ON APR 28	0B ON MAR 1	3 030	1985
1986	0.836 AT 07:24 CST ON APR 7 *	0.451 ON APR 18	0B ON MAR 1	2 130	1986
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		1 790	MEAN

RANCH CREEK ABOVE RANCH LAKE - STATION NO. 05NA025

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1986	---	---	0.788	0.148	0.003	0	0	0	0	0	---	---	0.118	1986
1987	---	---	0	0.701	0.017	0.036	0	0	0	0	---	---	0.082	1987
1988	---	---	0	1.98	0.011	0	0	0	0	0	---	---	0.243	1988
MEAN	---	---	0.262	0.942	0.010	0.012	0	0	0	0	---	---	0.151	MEAN

LOCATION - LAT 52 24 19 N DRAINAGE AREA, 170 km^2
LONG 104 47 19 W NATURAL FLOW

RANCH CREEK ABOVE RANCH LAKE - STATION NO. 05MA025

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1986	5.088 AT 14:38 CST ON MAR 22	4.348 ON MAR 28	00 ON MAR 1 *	2 500	1986
1987	8.05 AT 15:26 CST ON APR 4	5.28 ON APR 5	00 ON MAR 1	1 550	1987
1988	12.8 AT 11:05 CST ON APR 4 *	11.8 B ON APR 4 *	00 ON MAR 1	5 150	1988
				3 200	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

RANCH CREEK NEAR ANNANHEIM - STATION NO. 05MA014

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1971	---	---	0	0.636	0.023	0.018	0.104	0.018	0	0	---	---	0.123	1971
1972	---	---	B	1.84	0.247	0.503	0	0	0	0	---	---	0.232	1972
1973	---	---	0.011	0.007	0.008	0.106	0.002	0	0	0	---	---	0.018	1973
1974	---	---	0	1.35	0.170	0.018	0	0.008	0.007	0.005	---	---	0.182	1974
1975	---	---	0	0.905	0.209	0.014	0	0	0	0	---	---	0.139	1975
1976	---	---	0	0.885	0.006	0.031	0.027	0	0	0	---	---	0.114	1976
1977	---	---	0.003	0.012	0.003	0	0	0	0	0	---	---	0.002	1977
1978	---	---	0.122	0.375	0.006	0.005	0	0	0	0	---	---	0.063	1978
1979	---	---	0	1.45	0.158	0.005	0	0	0	0	---	---	0.202	1979
1980	---	---	0	0.929	0.001	0	0	0	0	0	---	---	0.114	1980
1981	---	---	0	0	0	0	0	0	0	0	---	---	0	1981
1982	---	---	0.010	0.285	0.008	0.004	0.824	0.017	0.004	0.004	---	---	0.118	1982
1983	---	---	0	0.889	0.081	0.031	0.036	0.002	0	0	---	---	0.088	1983
1984	---	---	0.121	0.080	0.014	0.010	0	0	0	0	---	---	0.028	1984
1985	---	---	0	1.97	0.070	0.013	0.001	0	0	0	---	---	0.352	1985
MEAN	---	---	0.018	0.755	0.068	0.017	0.053	0.003	0.001	0.001	---	---	0.113	MEAN

LOCATION - LAT 52 20 45 N DRAINAGE AREA, 89.7 km^2
LONG 104 48 40 W NATURAL FLOW

RANCH CREEK NEAR ANNANHEIM - STATION NO. 05MA014

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1971	5.76 AT 19:00 CST ON APR 14	5.47 ON APR 14	00 ON MAR 1 *	2 800	1971
1972	9.32 B AT 07:33 CST ON APR 17	7.02 B ON APR 15	00 ON MAR 1	4 820	1972
1973	0.768 AT 20:24 CST ON JUN 4	0.476 ON JUN 5	00 ON MAR 1	350	1973
1974	11.3 AT 00:04 CST ON APR 20 *	8.24 B ON APR 19 *	00 ON MAR 1	4 070	1974
1975	5.66 AT 09:14 CST ON APR 20	4.63 ON APR 20	00 ON MAR 1	2 950	1975
1976	5.24 AT 22:39 CST ON APR 6	5.10 ON APR 6	00 ON MAR 1	2 420	1976
1977	0.278 AT 07:14 CST ON APR 6	0.088 ON APR 6	00 ON MAR 1	48.7	1977
1978	---	2.07 B ON MAR 30	00 ON MAR 1	1 330	1978
1979	8.86 B AT 10:00 CST ON APR 22	6.84 ON APR 24	00 ON MAR 1	4 270	1979
1980	8.35 B AT 10:00 CST ON APR 11	4.51 B ON APR 11	00 ON MAR 1	2 410	1980
1981	0.011 AT 13:45 CST ON MAR 29	0.004 ON MAR 29	00 ON MAR 1	0.80	1981
1982	7.72 AT 04:37 CST ON JUL 15	5.88 ON JUL 15	00 ON MAR 1	2 480	1982
1983	4.72 B AT 08:05 CST ON APR 19	3.67 B ON APR 19	00 ON MAR 1	2 080	1983
1984	1.66 B ON MAR 27	0.8288 ON MAR 27	00 ON MAR 1	844	1984
1985	9.39 AT 22:21 CST ON APR 13	7.90 ON APR 13	00 ON MAR 1	5 340	1985
				2 390	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

RANCH CREEK NEAR ANNANHEIM - STATION NO. 05MA013

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1968	---	---	---	---	---	---	---	---	0	0	---	---	---	1968
1969	---	---	0	0.888	0	0	0	0	0	0	---	---	0.082	1969
1970	---	---	0	0.578	0.017	0	0	0	0	0	---	---	0.073	1970
MEAN	---	---	0	0.824	0.009	0	0	0	0	0	---	---	0.078	MEAN

LOCATION - LAT 52 19 05 N DRAINAGE AREA, 49.4 km^2
LONG 104 49 57 W NATURAL FLOW

RANCH CREEK NEAR ANNANHEIM - STATION NO. 05MA013

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1968	---	---	---	---	1968
1969	---	3.378 ON APR 10 *	00 ON MAR 1 *	1 730	1969
1970	---	2.66 ON APR 13	00 ON MAR 1	1 630	1970
				1 840	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

RAPID RIVER AT OUTLET OF LAC LA RONGE - STATION NO. 05CB002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1959	29.2	28.6	27.4	27.9	30.7	36.6	41.8	39.0	36.0	31.9	30.0	29.4	32.4	1959
1960	28.7	28.1	26.9	27.6	31.2	44.3	49.3	47.2	43.3	37.4	34.2	32.7	36.0	1960
1961	32.6	31.7	32.0	32.9	36.0	42.4	39.6	36.1	29.6	26.1	24.6	24.2	32.3	1961
1962	24.0	24.0	23.3	23.1	24.6	31.1	31.4	28.9	24.3	22.3	20.3	19.4	24.7	1962
1963	19.3	19.1	18.7	18.6	19.1	22.3	22.4	25.9	25.2	22.6	29.7	27.3	25.9	1963
1964	26.9	26.8	26.8	26.1	27.7	29.0	28.1	23.9	24.5	25.9	25.1	24.3	26.1	1964
1965	24.9	24.9	25.0	24.7	28.3	33.9	38.1	41.4	39.5	37.7	36.4	36.3	32.7	1965
1966	37.1	36.7	36.3	34.4	33.8	37.0	43.8	47.5	44.9	41.3	38.2	36.3	38.7	1966
1967	36.1	36.1	36.4	34.1	34.3	39.0	44.1	46.0	40.3	41.3	38.2	38.0	38.3	1967
MEAN	28.8	28.4	27.8	27.7	29.8	36.1	38.8	38.4	36.3	32.9	30.3	29.5	31.9	MEAN

LOCATION - LAT 55 10 43 N DRAINAGE AREA, 15 800 km²
LONG 104 32 36 W REGULATED SINCE 1966

RAPID RIVER AT OUTLET OF LAC LA RONGE - STATION NO. 05CB002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1959	---	42.5E ON JUL 13	26.6 ON MAR 9	1 020 000	1959
1960	---	49.6 ON JUL 10 *	24.6 ON MAR 27	1 140 000	1960
1961	---	43.5 ON JUN 5	24.1 ON NOV 5	1 020 000	1961
1962	---	34.0E ON JUN 28	19.1 ON DEC 2	778 000	1962
1963	---	36.6 ON AUG 15	18.3 ON APR 29 *	817 000	1963
1964	---	30.6 ON MAY 24	23.2E ON AUG 15	825 000	1964
1965	---	41.9 ON AUG 1	24.4 ON FEB 1	1 030 000	1965
1966	---	48.1E ON AUG 27	33.4 ON MAY 15	1 220 000	1966
1967	---	47.0 ON AUG 6	33.4E ON APR 22	1 210 000	1967
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		1 010 000	MEAN

E - ESTIMATED

RED DEER RIVER NEAR ARCHERWILL - STATION NO. 05LA005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1966	---	---	---	---	11.6	---	---	---	---	---	---	---	---	1966
1967	---	---	---	---	---	3.62	---	---	---	---	---	---	---	1967
1969	---	---	---	2.21	---	---	---	---	---	---	---	---	---	1969
1972	---	---	---	---	27.1	---	---	---	---	---	---	---	---	1972
1974	---	---	---	8.22	26.2	12.1	---	---	---	---	---	---	---	1974
1975	---	---	0	4.88	23.1	8.68	0.058	0.010	0.005	0.005	---	---	4.32	1975
1976	---	---	0	8.67	7.36	0.442	2.82	0.488	0.032	0.006	---	---	2.20	1976
1977	---	---	0	1.26	1.42	0.219	0.010	0	0.001	0	---	---	0.351	1977
1978	---	---	0	1.20	1.78	1.76	0.426	0.048	0.087	0.043	---	---	0.851	1978
1979	---	---	0	4.01	30.4	5.24	1.87	0.288	0.011	0.008	---	---	5.26	1979
1980	---	---	0	0.910	1.23	0.014	0.008	0.026	0.003	0.116	---	---	0.288	1980
1981	---	---	0.015	0.726	1.02	0.278	0.135	0.025	0.017	0.048	---	---	0.281	1981
1982	---	---	0	0.383	0.378	0.482	0.648	0.324	0.218	0.117	---	---	0.318	1982
1983	---	---	0	0.227	1.58	1.41	1.17	0.385	0.248	0	---	---	0.820	1983
1984	---	---	0.004	1.82	3.14	2.20	1.46	0.180	0.008	0.048	---	---	1.10	1984
1985	---	---	0	8.85	10.5	1.71	0.306	1.03	0.038	0.254	---	---	2.95	1985
1986	---	---	0	3.02	3.18	2.82	0.288	0.007	0.005	0.018	---	---	1.18	1986
1987	---	---	0	1.52	0.288	0.074	0.087	0	0.026	0	---	---	0.247	1987
1988	---	---	0	4.87	2.84	0.885	0.352	0.200	0	0	---	---	1.10	1988
MEAN	---	---	0.001	3.06	9.01	2.48	0.681	0.212	0.048	0.047	---	---	1.48	MEAN

LOCATION - LAT 52 28 05 N DRAINAGE AREA, 1 870 km²
LONG 103 41 49 W REGULATED

RED DEER RIVER NEAR ARCHERWILL - STATION NO. 05LA005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1966	---	---	---	---	1966
1967	---	---	---	---	1967
1968	---	---	---	---	1968
1972	---	---	---	---	1972
1974	---	---	---	---	1974
1975	---	32.6 ON MAY 5	0B ON MAR 1 *	81 400	1975
1976	---	23.6 ON APR 27	0B ON MAR 1	48 800	1976
1977	---	2.47 ON APR 21	0B ON MAR 1	7 650	1977
1978	8.20 AT 21:07 CST ON MAY 4	6.86 ON APR 28	0B ON MAR 1	14 000	1978
1979	44.2 AT 17:54 CST ON MAY 5 *	43.4 ON MAY 5 *	0B ON MAR 1	111 000	1979
1980	2.21 AT 14:46 CST ON APR 29	2.03 ON APR 29	0B ON MAR 1	5 100	1980
1981	8.32 AT 20:41 CST ON MAY 17	3.76 ON MAY 16	0B ON MAR 1	5 850	1981
1982	8.01 AT 23:36 CST ON JUL 22	5.94 ON JUL 22	0B ON MAR 1	8 650	1982
1983	7.27 AT 23:42 CST ON JUN 6	7.00 ON JUN 6	0B ON MAR 1	13 100	1983
1984	7.20 AT 14:15 CST ON JUN 1	6.27 ON MAY 27	0B ON MAR 1	23 300	1984
1985	25.4 AT 22:40 CST ON APR 20	24.8 ON APR 23	0B ON MAR 1	62 500	1985
1986	12.0 AT 20:22 CST ON APR 19	10.4 ON APR 13	0B ON MAR 1	24 500	1986
1987	5.23 AT 12:23 CST ON APR 21	3.40 ON APR 21	0B ON MAR 1	5 230	1987
1988	8.84 AT 12:48 CST ON APR 18	8.36 ON APR 18	0B ON MAR 1	23 300	1988
				31 600	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

RED DEER RIVER NEAR ERWOOD - [illegible] NO. 05LC001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1964	---	---	---	---	183	288	78.1	48.2	71.3	51.0	---	---	---	1964
1965	---	---	---	---	232	80.6	16.6	4.99	1.84	2.80	---	---	---	1965
1966	---	---	---	19.0	158	47.0	32.0	7.26	5.04	4.02	---	---	---	1966
1967	---	---	1.42	104	128	24.3	7.86	2.23	3.23	1.96	---	---	---	1967
1968	---	---	0.870	23.0	11.9	8.13	8.09	0.846	3.26	7.23	---	---	---	1968
1969	---	---	0.584	23.7	23.6	12.3	19.8	2.15	9.66	12.3	---	---	---	1969
1970	---	---	1.62	85.3	74.6	42.0	8.63	4.19	0.322	0.833	---	---	---	1970
1971	---	---	2.62	13.2	14.6	2.47	0.141	0.067	0.021	0.263	---	---	---	1971
1972	---	---	0	32.8	34.3	4.88	0.710	0.418	1.76	1.63	---	---	---	1972
1973	---	---	0.221	18.1	8.98	5.21	7.23	2.14	2.77	1.87	---	---	---	1973
1974	---	---	---	---	46.7	3.88	1.81	1.81	9.66	8.46	---	---	---	1974
1975	---	---	0.463	24.3	50.4	121	47.0	14.4	10.4	10.9	---	---	---	1975
1976	---	---	0.819	80.7	78.5	80.6	38.7	13.6	7.21	4.53	---	---	---	1976
1977	---	---	1.63	4.88	132	25.6	3.88	3.17	0.235	0.755	---	---	---	1977
1978	---	---	3.22	19.0	11.4	14.4	24.6	7.44	9.84	9.78	---	---	---	1978
1979	---	---	1.12	59.6	16.3	4.61	2.84	1.92	0.629	9.46	---	---	---	1979
1970	---	---	1.01	36.6	61.4	34.6	50.8	8.33	2.68	8.70	---	---	---	1970
1971	---	---	1.12	78.2	27.9	9.66	10.4	5.62	1.62	11.2	---	---	---	1971
1972	---	---	0.870	105	184	23.2	7.08	2.34	0.867	2.11	---	---	---	1972
1973	---	---	0.246	15.0	20.9	80.7	51.1	8.79	3.40	2.88	2.82	2.26	---	1973
1974	1.34	1.33	1.41	84.2	148	55.6	6.67	6.68	11.6	11.6	4.04	2.66	28.3	1974
1975	2.20	2.20	2.24	51.4	110	80.7	12.7	2.88	5.64	9.88	4.07	1.81	21.4	1975
1976	1.26	1.08	1.33	84.8	26.8	83.0	28.0	5.38	1.21	1.68	0.418	0.098	18.2	1976
1977	0.076	0.033	0.040	6.82	11.6	6.06	2.38	6.21	10.4	7.48	3.90	1.66	4.77	1977
1978	0.770	0.322	0.292	54.0	38.6	11.3	6.37	13.6	11.3	16.8	8.81	2.44	13.6	1978
1979	0.818	0.372	0.458	76.3	177	76.6	10.6	1.86	0.646	1.33	2.62	1.87	28.4	1979
1980	0.710	0.666	0.800	22.8	6.46	1.31	4.80	6.18	6.74	8.00	1.87	0.831	5.18	1980
1981	0.288	0.108	1.89	11.1	8.36	3.82	4.18	2.37	0.870	10.2	8.83	0.814	4.28	1981
1982	0.168	0.070	0.138	20.4	16.4	28.2	4.29	3.20	2.28	3.86	0.861	0.280	8.46	1982
1983	0.842	0.666	0.880	31.6	38.3	41.0	66.2	8.24	11.6	8.87	8.02	2.16	17.0	1983
1984	0.893	1.06	1.37	66.2	78.7	72.2	10.8	1.04	0.882	8.08	4.87	2.83	18.8	1984
1985	1.22	1.02	1.10	83.4	86.8	28.0	8.88	8.81	3.30	7.01	3.07	1.24	18.7	1985
1986	1.13	0.822	1.41	78.6	43.7	18.0	8.33	3.60	1.04	3.64	1.86	1.20	13.0	1986
1987	1.13	1.08	1.38	46.1	10.0	7.88	7.22	2.87	1.80	3.82	3.10	1.02	8.76	1987
1988	0.497	0.868	0.867	88.9	46.7	4.78	2.34	1.88	2.83	2.81	1.88	1.09	11.0	1988
MEAN	0.804	0.808	1.07	47.0	68.4	37.3	16.8	6.06	6.22	7.04	3.83	1.46	14.4	MEAN

LOCATION - LAT 52 51 36 N DRAINAGE AREA, 11 000 km^2
LONG 102 11 39 W NATURAL FLOW

REMARKS - STATION LOCATED IN SE11-48-02-W2 PRIOR TO AUG 1978

RED DEER RIVER NEAR ERWOOD - STATION NO. 05LC001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1954	---	478 ON JUN 11 *	---	---	1954
1955	---	478 E ON MAY 8	---	---	1955
1956	---	238 ON MAY 13	---	---	1956
1957	---	386 ON APR 24	0.834 ON AUG 24	---	1957
1958	---	36.6 ON APR 7	0.1138 ON MAR 1	---	1958
1959	---	87.2 ON JUN 30	0.2828 ON MAR 1	---	1959
1960	---	192 ON APR 21	0.127 ON SEP 24	---	1960
1961	---	26.9 ON APR 22	0.011 ON SEP 15	---	1961
1962	---	184 ON APR 23	0 B ON MAR 1 *	---	1962
1963	---	36.08 ON APR 15	0.1428 ON MAR 1	---	1963
1964	---	---	---	---	1964
1965	---	381 ON JUN 8	0.4538 ON MAR 1	---	1965
1966	---	345 ON APR 18	0.7088 ON MAR 1	---	1966
1967	---	220 ON MAY 7	0 ON SEP 8	---	1967
1968	---	106 ON JUL 2	0.8578 ON MAR 20	---	1968
1969	---	183 ON APR 14	0.345 ON AUG 27	---	1969
1970	---	183 A ON MAY 4	1.01 B ON MAR 1	---	1970
1971	---	227 B ON APR 17	0.708 ON SEP 14	---	1971
1972	462 AT 06:55 CST ON APR 27 *	438 ON APR 27	0.374 ON SEP 14	---	1972
1973	116 AT 17:12 CST ON JUL 7	115 ON JUL 7	0.0288 ON MAR 1	---	1973
1974	---	314 E ON APR 22	1.16 B ON JAN 18	883 000	1974
1975	285 AT 21:03 CST ON APR 22	209 ON APR 23	0.7708 ON DEC 14	574 000	1975
1976	171 AT 08:56 CST ON JUN 26	166 ON JUN 26	0.0118 ON NOV 30	512 000	1976
1977	---	21.28 ON APR 20	0.0188 ON FEB 11	160 000	1977
1978	178 A AT 18:00 CST ON APR 22	178 A ON APR 22	0.1228 ON MAR 20	434 000	1978
1979	311 B AT 22:27 CST ON APR 23	283 ON APR 24	0.2768 ON FEB 12	827 000	1979
1980	87.68 AT 00:47 CST ON APR 15	85.38 ON APR 15	0.1878 ON DEC 31	184 000	1980
1981	18.8 AT 12:26 CST ON OCT 20	18.6 ON OCT 20	0.0368 ON FEB 19	135 000	1981
1982	70.0 AT 11:26 CST ON JUN 2	69.6 ON JUN 2	0.0578 ON FEB 28	204 000	1982
1983	177 B AT 05:56 CST ON APR 24	155 B ON APR 24	0.3748 ON MAR 19	536 000	1983
1984	181 AT 08:46 CST ON JUN 10	178 ON JUN 10	0.183 ON SEP 8	619 000	1984
1985	192 AT 05:46 CST ON APR 15	178 ON APR 25	0.7408 ON MAR 8	569 000	1985
1986	240 AT 19:15 CST ON APR 8	197 ON APR 9	0.0928 ON FEB 23	410 000	1986
1987	203 AT 04:19 CST ON APR 8	133 B ON APR 8	0.6688 ON MAR 12	213 000	1987
1988	292 AT 23:52 CST ON APR 12	263 ON APR 13	0.1588 ON JAN 12	349 000	1988
				454 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

RED DEER RIVER NEAR HUDSON BAY - STATION NO. 05LC002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1913	---	---	---	---	---	---	---	56.4	27.3	14.6	9.05	3.88	---	1913
1914	1.88	1.42	0.850	51.0	85.2	29.8	7.59	2.20	2.25	2.35	1.70	0.706	15.6	1914
1915	0.026	0	0.026	7.80	3.76	4.30	20.1	4.85	2.28	2.25	1.02	0.142	3.89	1915
1916	---	---	---	---	170	181	88.0	28.4	10.5	15.3	12.7	---	---	1916
1917	---	---	---	18.8	150	80.0	47.2	7.38	4.88	2.82	---	---	---	1917
1918	---	---	---	16.4	13.2	33.8	34.2	20.8	5.56	6.88	---	---	---	1918
1919	---	---	---	17.8	38.7	24.7	24.4	14.8	13.7	---	---	---	---	1919
1920	---	---	---	---	---	---	---	20.3	4.27	4.83	---	---	---	1920
1921	---	---	---	---	88.5	30.4	25.7	17.1	38.7	51.2	10.8	---	---	1921
1922	---	---	---	---	83.6	22.5	18.4	6.88	3.17	3.00	3.34	---	---	1922
1923	---	---	---	39.8	81.6	92.1	109	56.3	81.6	13.6	10.1	---	---	1923
MEAN	1.00	0.710	0.438	34.0	74.7	53.2	38.3	21.6	15.7	11.7	5.87	1.80	9.75	MEAN

LOCATION - LAT 52 48 05 N LONG 102 22 07 W DRAINAGE AREA, 10 800 km^2 NATURAL FLOW

RED DEER RIVER NEAR HUDSON BAY - STATION NO. 05LC002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1913	---	---	---	---	1913
1914	---	112 ON MAY 11	0.7068 ON DEC 1	493 000	1914
1915	---	51.0 ON JUL 18	0 B ON FEB 1 *	122 000	1915
1916	---	---	---	---	1916
1917	---	281 ON MAY 8 *	---	---	1917
1918	---	87.7 ON JUN 30	---	---	1918
1919	---	96.8 ON MAY 17	---	---	1919
1920	---	---	---	---	1920
1921	---	263 ON MAY 2	---	---	1921
1922	---	154 ON MAY 8	---	---	1922
1923	---	237 ON JUN 26	---	---	1923
				308 000	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

RED DEER RIVER NEAR STEEN - STATION NO. 05LB005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1965	---	---	0	4.35	5.39	11.6	9.70	5.83	2.36	1.60	---	---	5.18	1965
1966	---	---	0.180	17.6	20.5	11.3	5.59	3.90	1.82	1.00	---	---	7.73	1966
1967	---	---	0.411	1.89	24.1	7.74	2.26	1.00	0.662	0.058	---	---	4.72	1967
1968	---	---	0.693	5.46	2.46	0.626	0.463	0.495	0.635	0.800	---	---	1.44	1968
1969	---	---	0.078	11.6	6.90	1.89	0.567	0.313	0.078	0.533	---	---	2.73	1969
1970	---	---	0.136	8.54	19.3	7.45	3.33	0.651	0.065	0.080	---	---	4.96	1970
1971	---	---	0.130	8.46	6.02	1.98	7.00	1.08	0.281	0.098	---	---	3.14	1971
1972	---	---	0.212	16.8	45.2	8.32	2.19	0.869	0.183	0.981	---	---	9.33	1972
1973	---	---	0.104	0.554	1.36	6.14	15.9	4.98	0.977	0.456	---	---	4.06	1973
1974	---	---	0.423	19.3	80.1	22.7	2.75	1.26	1.52	1.90	---	---	12.4	1974
1975	---	---	0.588	11.8	43.5	13.4	1.71	0.225	0.044	0.462	---	---	8.93	1975
1976	---	---	0.135	16.7	12.5	3.45	5.84	1.50	0.116	0.121	---	---	5.03	1976
1977	---	---	0.001	3.17	2.47	1.71	0.403	0.198	0.183	0.154	---	---	1.02	1977
1978	---	---	0.078	8.47	5.88	2.40	1.07	0.352	0.189	0.283	---	---	2.09	1978
1979	---	---	0.133	8.17	46.9	14.2	3.41	0.710	0.508	0.139	---	---	9.30	1979
1980	---	---	0.072	3.42	2.92	0.480	0.330	0.024	0.029	0.070	---	---	0.911	1980
1981	---	---	0.283	1.03	1.85	0.830	0.108	0.067	0.078	0.182	---	---	0.551	1981
1982	---	---	0.029	3.95	2.67	1.98	0.854	0.144	0.427	0.112	---	---	1.23	1982
1983	---	---	0.148	2.75	4.84	1.96	2.11	0.831	0.136	0.163	---	---	1.62	1983
1984	---	---	0.182	4.59	6.74	8.17	2.49	0.263	0.179	0.108	---	---	2.82	1984
1985	---	---	0.088	22.8	22.8	4.58	0.858	0.648	0.337	0.473	---	---	5.58	1985
1986	---	---	0.177	10.5	5.83	3.67	0.429	0.115	0.035	0.084	---	---	2.59	1986
1987	---	---	0.132	5.80	1.51	0.203	0.201	0.018	0.024	0.108	---	---	0.987	1987
1988	---	---	0.278	12.0	5.17	1.25	0.587	0.389	0.032	0.186	---	---	2.58	1988
MEAN	---	---	0.194	8.85	14.6	5.78	2.92	1.07	0.432	0.383	---	---	4.25	MEAN

LOCATION - LAT 52 38 18 N DRAINAGE AREA, 3 800 km²
LONG 103 30 56 W REGULATED

RED DEER RIVER NEAR STEEN - STATION NO. 05LB005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1965	---	19.8 ON JUN 28	0 B ON MAR 1 *	110 000	1965
1966	---	42.6 B ON APR 16	0.1478 ON MAR 1	184 000	1966
1967	---	42.5 B ON MAY 6	0 E ON SEP 4	100 000	1967
1968	---	11.9 B ON APR 14	0.057B ON MAR 1	30 800	1968
1969	---	28.2 B ON APR 13	0.003 ON SEP 18	57 900	1969
1970	---	30.3 B ON APR 24	0 ON SEP 12	105 000	1970
1971	---	18.5 ON JUL 26	0.014 ON OCT 30	66 500	1971
1972	102 AT 18:58 CST ON APR 28 *	102 ON APR 28 *	0 ON SEP 13	197 000	1972
1973	---	28.7 ON JUL 5	0.0838 ON MAR 1	88 000	1973
1974	---	72.2 ON MAY 2	0.3238 ON APR 8	283 000	1974
1975	84.6 AT 09:20 CST ON APR 30	84.3 ON MAY 3	0 ON AUG 28	189 000	1975
1976	33.3 AT 15:00 CST ON APR 29	31.7 ON APR 29	0.051E ON SEP 17	106 000	1976
1977	---	5.248 ON APR 14	0 B ON MAR 1	21 700	1977
1978	16.9 B AT 06:41 CST ON APR 22	17.6 ON APR 25	0 ON SEP 9	44 200	1978
1979	86.2 AT 20:28 CST ON MAY 4	86.2 ON MAY 5	0.595 ON SEP 29	197 000	1979
1980	8.87 AT 23:00 CST ON APR 23	8.74 ON APR 25	0 ON AUG 3	18 300	1980
1981	8.86 AT 05:27 CST ON MAY 19	8.41 ON MAY 19	0.010E ON JUL 10	11 700	1981
1982	12.2 B AT 10:16 CST ON APR 19	8.93B ON APR 20	0 ON OCT 8	26 000	1982
1983	12.4 B AT 15:44 CST ON APR 24	10.5 B ON APR 24	0.047 ON SEP 16	34 300	1983
1984	13.7 AT 21:04 CST ON JUN 18	13.5 ON MAY 29	0.028 ON OCT 15	89 700	1984
1985	58.1 AT 07:28 CST ON APR 25	57.8 ON APR 25	0.508B ON MAR 1	139 000	1985
1986	24.5 B AT 14:48 CST ON APR 8	21.3 E ON APR 13	0 ON SEP 10	54 900	1986
1987	10.1 B AT 10:16 CST ON APR 13	8.868 ON APR 12	0.001 ON AUG 8	20 900	1987
1988	21.7 AT 07:50 CST ON APR 17	21.8 ON APR 17	0 ON SEP 15	54 800	1988
	B - ICE CONDITIONS E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		89 900	MEAN

REINDEER RIVER ABOVE DEVIL RAPIDS - STATION NO. 06DD002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1965	---	---	---	---	---	---	89.9	114	188	237	380	473	---	1965
1966	544	580	634	434	374	133	187	82.5	188	295	403	448	343	1966
1967	482	487	478	434	314	238	262	332	378	481	540	584	402	1967
1968	588	584	627	408	400	386	302	461	428	378	378	380	433	1968
MEAN	531	537	513	435	338	286	198	242	290	340	426	484	393	MEAN

LOCATION - LAT 58 11 38 N DRAINAGE AREA, 83 300 km²
LONG 103 09 31 W REGULATED SINCE 1938

REINDEER RIVER ABOVE DEVIL RAPIDS - STATION NO. 06DD002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1965	---	---	---	---	1965
1966	670 AT 15:54 CST ON FEB 4	666 ON FEB 3	47.2 ON SEP 3 *	10 600 000	1966
1967	584 AT 23:59 CST ON DEC 31	575 ON DEC 31	147 ON MAY 26	12 700 000	1967
1968	604 AT 04:57 CST ON JAN 18 *	603 ON JAN 18 *	171 ON JUL 13	13 700 000	1968
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		12 400 000	MEAN

REINDEER RIVER AT OUTLET OF REINDEER LAKE - STATION NO. 06DB002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1938	---	---	---	---	---	---	---	---	---	189	220	229	---	1938
1939	246	241	236	233	207	297	309	429	449	407	375	381	316	1939
1940	347	331	305	288	284	289	285	257	242	256	251	245	281	1940
1941	250	246	241	234	197	206	182	226	213	236	240	248	226	1941
1942	286	287	288	247	246	203	147	191	247	322	296	311	251	1942
1943	308	336	337	306	236	189	181	188	208	234	218	221	242	1943
1944	232	253	251	201	178	146	173	182	187	347	307	306	229	1944
1945	300	283	287	266	294	288	282	283	285	284	295	296	283	1945
1946	291	286	279	284	288	286	307	546	645	370	227	274	361	1946
1947	273	270	267	286	232	633	606	289	252	63.1	218	346	326	1947
1948	427	426	414	406	404	661	771	481	389	291	292	292	431	1948
1949	280	288	284	282	290	309	718	788	721	421	412	413	436	1949
1950	408	403	394	387	383	416	417	418	384	295	296	297	374	1950
1951	286	311	311	306	313	329	419	421	414	313	308	302	337	1951
1952	303	340	334	288	271	284	135	120	122	144	214	216	229	1952
1953	247	262	274	287	287	289	300	300	289	301	301	301	280	1953
1954	300	297	296	281	291	298	322	512	386	293	291	290	320	1954
1955	208	223	281	288	126	217	218	218	217	398	414	408	288	1955
1956	401	396	387	378	260	220	171	130	178	170	187	208	268	1956
1957	228	233	230	198	112	0	0	22.5	134	202	218	288	188	1957
1958	286	283	280	277	282	288	293	292	283	294	293	293	288	1958
1959	291	288	284	280	281	422	608	602	486	454	280	280	384	1959
1960	278	278	271	211	221	380	688	641	518	446	288	273	386	1960
1961	228	281	288	287	281	286	218	218	281	277	300	284	278	1961
1962	401	413	408	401	341	306	317	380	378	344	318	283	362	1962
1963	381	436	426	416	286	272	218	232	284	306	287	271	331	1963
1964	416	412	446	416	328	313	241	286	416	386	284	283	361	1964
1965	380	418	421	412	285	278	283	284	284	282	283	282	324	1965
1966	330	344	413	383	322	286	286	287	287	331	286	284	311	1966
1967	386	400	394	388	308	258	275	247	314	388	427	443	338	1967
1968	502	561	522	594	420	366	373	401	384	378	389	440	428	1968
1969	480	482	480	438	351	303	323	381	308	270	347	388	374	1969
1970	444	441	456	458	396	290	48.4	0	0	34.8	83.2	142	228	1970
1971	182	30.0	31.5	32.8	36.1	43.8	401	507	391	328	348	426	228	1971
1972	486	478	477	478	326	306	312	312	313	312	327	427	377	1972
1973	476	483	500	487	391	192	158	158	159	158	181	181	269	1973
1974	194	288	310	334	232	377	247	286	328	218	218	220	267	1974
1975	271	383	380	488	443	323	336	437	432	324	214	283	356	1975
1976	387	382	406	314	286	281	217	306	881	827	434	~33	388	1976
1977	483	813	802	434	382	726	858	848	543	426	427	473	546	1977
1978	536	526	484	456	381	292	207	213	403	542	433	431	408	1978
1979	490	493	482	470	480	291	148	137	228	308	308	388	348	1979
1980	421	476	482	435	314	403	411	448	387	380	388	447	417	1980
1981	443	432	422	374	276	310	198	283	373	424	434	420	355	1981
1982	403	383	333	284	118	20.6	0	35.6	70.4	184	378	448	218	1982
1983	436	423	410	332	146	32.6	0	81.6	276	301	382	435	289	1983
1984	463	488	488	380	382	384	291	184	184	314	386	419	360	1984
1985	434	448	382	323	118	84.4	3.67	87.6	131	184	324	384	239	1985
1986	444	440	426	347	288	84.2	104	18.3	188	248	350	388	273	1986
1987	398	426	413	378	188	192	218	388	328	403	506	537	361	1987
MEAN	383	382	380	339	278	281	291	289	319	305	312	337	320	MEAN

LOCATION - LAT 58 14 00 N
LONG 103 08 00 W

DRAINAGE AREA, 60 600 km²
REGULATED SINCE 1929

DATA CONTRIBUTED BY -
CHURCHILL RIVER POWER COMPANY

REINDEER RIVER AT OUTLET OF REINDEER LAKE - STATION NO. 06DB002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1938	---	---	---	---	1938
1939	---	868 ON SEP 3	175 ON MAY 8	9 870 000	1939
1940	---	371 ON FEB 28	217 ON JUL 30	8 900 000	1940
1941	---	487 ON AUG 10	181 ON MAY 19	7 140 000	1941
1942	---	371 ON NOV 14	143 ON JUL 8	7 810 000	1942
1943	---	348 ON MAR 19	109 ON AUG 1	7 840 000	1943
1944	---	389 ON OCT 8	116 ON JUN 9	7 230 000	1944
1945	---	328 ON SEP 23	288 ON AUG 19	8 230 000	1945
1946	---	833 ON AUG 28 *	222 ON NOV 12	11 100 000	1946
1947	---	687 ON JUN 24	74.8 ON OCT 12	10 300 000	1947
1948	---	618 ON JUN 17	283 ON SEP 18	13 800 000	1948
1949	---	807 ON JUL 17	280 ON APR 2	13 700 000	1949
1950	---	422 ON JUL 10	288 ON SEP 23	11 800 000	1950
1951	---	428 ON AUG 19	284 ON JAN 11	10 800 000	1951
1952	---	343 ON JAN 28	118 ON JUL 8	7 230 000	1952
1953	---	306 ON JUL 22	216 ON JAN 1	8 140 000	1953
1954	---	725 ON JUL 31	208 ON DEC 17	10 100 000	1954
1955	---	428 ON OCT 10	0 ON MAY 10 *	8 490 000	1955
1956	---	405 ON JAN 1	78.8E ON AUG 14	6 110 000	1956
1957	---	288 ON NOV 30	0 ON MAY 28	4 880 000	1957
1958	---	303 ON SEP 13	276 ON APR 11	9 080 000	1958
1959	---	518 ON JUL 28	271 ON OCT 30	11 800 000	1959
1960	---	719 ON JUL 7	196 E ON APR 5	12 200 000	1960
1961	---	371 ON DEC 6	212 ON JUL 9	8 870 000	1961
1962	---	422 ON JAN 14	286 ON MAY 16	11 400 000	1962
1963	---	442 ON JAN 25	205 ON JUL 7	10 800 000	1963
1964	---	493 ON SEP 20	204 ON JUN 10	11 400 000	1964
1965	---	426 ON FEB 7	288 ON MAY 4	10 200 000	1965
1966	---	416 ON FEB 28	247 ON JUN 18	8 810 000	1966
1967	---	487 ON DEC 28	210 ON SEP 22	10 800 000	1967
1968	---	561 ON FEB 3	382 ON OCT 4	13 900 000	1968
1969	---	484 ON JAN 1	261 ON OCT 12	11 800 000	1969
1970	---	470 ON APR 18	0 ON JUL 25	7 210 000	1970
1971	---	845 ON JUL 23	29.2 ON JAN 31	7 230 000	1971
1972	---	496 ON JAN 16	282 ON MAY 10	11 900 000	1972
1973	---	510 ON FEB 23	73.9 ON JUN 13	8 120 000	1973
1974	---	428 ON JUN 8	181 ON JAN 1	8 420 000	1974
1975	---	478 ON MAR 28	212 ON NOV 12	11 200 000	1975
1976	---	695 ON SEP 20	212 ON JUL 3	13 300 000	1976
1977	---	876 ON JUL 27	223 ON MAY 5	17 300 000	1977
1978	---	884 ON SEP 22	202 ON JUN 15	12 800 000	1978
1979	---	603 ON JAN 19	122 ON JUL 11	10 900 000	1979
1980	---	800 ON FEB 9	288 ON APR 28	13 200 000	1980
1981	---	474 ON NOV 15	183 ON MAY 29	11 200 000	1981
1982	---	488 ON NOV 25	0 ON JUN 18	8 820 000	1982
1983	---	464 ON DEC 8	0 ON JUN 14	8 480 000	1983
1984	---	607 ON JAN 25	182 ON AUG 9	11 400 000	1984
1985	---	485 ON FEB 14	0 ON JUL 3	7 840 000	1985
1986	---	495 ON SEP 25	18.0 ON JUL 30	8 590 000	1986
1987	---	845 ON NOV 19	183 ON MAY 15	11 100 000	1987
				10 100 000	MEAN

E - ESTIMATED

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

RICHARDSON DITCH NEAR CONSUL - STATION NO. 11AB056

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1912	---	---	0	0	0	0	0	0	0	0	---	---	0	1912
1916	---	---	0	0	0	0	0	0	0	0	---	---	0	1916
1917	---	---	0	0	0	0	0	0	0	0	---	---	0	1917
1918	---	---	0	0	0	0.035	0.021	0	0	0.001	---	---	0.007	1918
1919	---	---	0	0	0.056	0.033	0	---	---	---	---	---	---	1919
1920	---	---	0	0	0.013	0.025	0.032	0	0	0	---	---	0.008	1920
1921	---	---	0	0	0	---	---	---	0	0	---	---	---	1921
1922	---	---	0	0	0	0	0	0	0	0	---	---	0	1922
1923	---	---	0	0	0	0	0	0	0	0	---	---	0	1923
1924	---	---	0	0	0	0	0	0	0	0	---	---	0	1924
1925	---	---	0	0	0	0	0	0	0	0	---	---	0	1925
1926	---	---	0	0	0	0	0	0	0	0	---	---	0	1926
1927	---	---	0	0	0	0	0	0	0	0	---	---	0	1927
1928	---	---	0	0	0	0	0	0	0	0	---	---	0	1928
1929	---	---	0	0	0	0	0	0	0	0	---	---	0	1929
1930	---	---	0	0	0	0	0	0	0	0	---	---	0	1930
1931	---	---	0	0	0	0	0	0	0	0	---	---	0	1931
1932	---	---	0	0	0	0	0	0	0	0	---	---	0	1932
1933	---	---	0	0	0	0	0	0	0	0	---	---	0	1933
1935	---	---	0	0	0	0	0	0	0	0	---	---	0	1935
1946	---	---	0	0	0.021	0.142	0.088	0.020	0	0	---	---	0.031	1946
1947	---	---	0	0	0	0.162	0.122	0.002	0	0	---	---	0.036	1947
1946	---	---	0	0	0	0	0.287	0	0	0	---	---	0.032	1946
1949	---	---	0	0.096	0.494	0.315	0.257	0.018	0	0	---	---	0.146	1949
1950	---	---	0	0	0.033	0.107	0.241	0.021	0	0	---	---	0.050	1950
1951	---	---	0	0	0	0.084	0.139	0.118	0	0	---	---	0.040	1951
1952	---	---	0	0	0	0.083	0.084	0.047	0	0	---	---	0.033	1952
1953	---	---	0	0	0	0.008	0.318	0.143	0.008	0	---	---	0.050	1953
1954	---	---	0	0	0.012	0.272	0.204	0.205	0	0	---	---	0.087	1954
1955	---	---	0	0	0.004	0.302	0.081	0.229	0.034	0.001	---	---	0.078	1955
1956	---	---	0	0	0.035	0.580	0.143	0.244	0.001	0.023	---	---	0.135	1956
1957	---	---	0	0.035	0.407	0.086	0.420	0.228	0.001	0	---	---	0.145	1957
1958	---	---	0	0	0.383	0.358	0.338	0.227	0	0	---	---	0.180	1958
1959	---	---	0	0	0.367	0.088	0.281	0.234	0	0	---	---	0.121	1959
1960	---	---	0	0.003	0.203	0.287	0.531	0.067	0	0.005	---	---	0.137	1960
1961	---	---	0	0	0.386	0.183	0.501	0.001	0	0	---	---	0.132	1961
1962	---	---	0	0	0.412	0.086	0	0	0	0	---	---	0.084	1962
1963	---	---	0	0	0.027	0.011	0	0	0	0	---	---	0.081	1963
1964	---	---	0	0	0.383	0.205	0.001	0	0	0	---	---	0.071	1964
1965	---	---	0	0	0.285	0.180	0.014	0.288	0.001	0	---	---	0.088	1965
1966	---	---	0	0	0.275	0.243	0.185	0.153	0.008	0.005	---	---	0.110	1966
1967	---	---	0	0	0	0.550	0.343	0.230	0.003	0	---	---	0.140	1967
1968	---	---	0.001	0.001	0.547	0.001	0.555	0.025	0.001	0.001	---	---	0.143	1968
1969	---	---	0	0.001	0.388	0.097	0.455	0.184	0	0	---	---	0.141	1969
1970	---	---	0	0	0.571	0.380	0.418	0.002	0.001	0	---	---	0.172	1970
1971	---	---	0	0	0.526	0	0.570	0.020	0	0	---	---	0.164	1971
1972	---	---	0	0	0.578	0	0.539	0.011	0	0	---	---	0.166	1972
1973	---	---	0	0	0.522	0	0.523	0.048	0	0	---	---	0.164	1973
1974	---	---	0	0	0.002	0.550	0.531	0.011	0	0	---	---	0.152	1974
1975	---	---	0.001	0.001	0.001	0.585	0.426	0.037	0.001	0.001	---	---	0.131	1975
1976	---	---	0	0	0.588	0.002	0.367	0.042	0.001	0.001	---	---	0.123	1976
1977	---	---	0	0.002	0.540	0	0.532	0.001	0.003	0.001	---	---	0.148	1977
1978	---	---	0	0.001	0.077	0.487	0	0	0.001	0.001	---	---	0.071	1978
1979	---	---	0	0	0.183	0.381	0.381	0.003	0.004	0.004	---	---	0.114	1979
1980	---	---	0	0	0.588	0.002	0.383	0.003	0.002	0.002	---	---	0.125	1980
1981	---	---	0	0.150	0.483	0.002	0.002	0.002	0	0	---	---	0.078	1981
1982	---	---	0	0	0.001	0.570	0	0	0	0	---	---	0.070	1982
1983	---	---	0	0	0.584	0	0	0	0	0	---	---	0.070	1983
1984	---	---	0	0	0.321	0	0	0	0	0	---	---	0.041	1984
1985	---	---	0	0	0.327	0.348	0	0	0	0	---	---	0.084	1985
1986	---	---	0	0	0.446	0.041	0	0	0	0	---	---	0.091	1986
1987	---	---	0	0	0.402	0	0	0	0	0	---	---	0.051	1987
1988	---	---	0	0	0.588	0	0	0	0	0	---	---	0.088	1988
MEAN	---	---	0	0.008	0.204	0.128	0.170	0.048	0.001	0.001	---	---	0.071	MEAN

LOCATION - LAT 49 31 50 N
LONG 100 32 12 W

REGULATED

INTERNATIONAL GAUGING STATION

RICHARDSON DITCH NEAR CONSUL - STATION NO. 11AB058

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1912	---	0 ON MAR 1	0 ON MAR 1 *	0	1912
1916	---	0 ON MAR 1	0 ON MAR 1	0	1916
1917	---	0 ON MAR 1	0 ON MAR 1	0	1917
1918	---	0.118E ON JUN 15	0 ON MAR 1	148	1918
1919	---	---	0 ON MAR 1	---	1919
1920	---	0.082 ON JUN 7	0 ON MAR 1	188	1920
1921	---	---	0 ON MAR 1	---	1921
1922	---	0 ON MAR 1	0 ON MAR 1	0	1922
1923	---	0 ON MAR 1	0 ON MAR 1	0	1923
1924	---	0 ON MAR 1	0 ON MAR 1	0	1924
1925	---	0 ON MAR 1	0 ON MAR 1	0	1925
1926	---	0 ON MAR 1	0 ON MAR 1	0	1926
1927	---	0 ON MAR 1	0 ON MAR 1	0	1927
1928	---	0 ON MAR 1	0 ON MAR 1	0	1928
1929	---	0 ON MAR 1	0 ON MAR 1	0	1929
1930	---	0 ON MAR 1	0 ON MAR 1	0	1930
1931	---	0 ON MAR 1	0 ON MAR 1	0	1931
1932	---	0 ON MAR 1	0 ON MAR 1	0	1932
1933	---	0 ON MAR 1	0 ON MAR 1	0	1933
1935	---	0 ON MAR 1	0 ON MAR 1	0	1935
1946	---	0.142E ON JUN 1	0 ON MAR 1	883	1946
1947	---	0.334 ON JUL 26	0 ON MAR 1	728	1947
1948	---	0.419E ON JUL 15	0 ON MAR 1	887	1948
1949	---	0.923E ON MAY 5	0 ON MAR 1	3 120	1949
1950	---	0.483 ON JUL 19	0 ON MAR 1	1 080	1950
1951	---	0.589 ON AUG 2	0 ON MAR 1	847	1951
1952	---	0.487 ON AUG 2	0 ON MAR 1	701	1952
1953	---	0.731 ON JUL 26	0B ON MAR 1	1 270	1953
1954	---	0.566 ON AUG 4	0 ON MAR 1	1 630	1954
1955	---	0.612 ON JUN 15	0 ON MAR 1	1 880	1955
1956	---	0.685 ON JUN 15	0 ON MAR 1	2 840	1956
1957	---	0.816 ON JUN 1	0 ON MAR 1	3 070	1957
1958	---	1.11 ON JUN 2	0B ON MAR 1	3 380	1958
1959	---	0.716 ON JUL 30	0 ON MAR 1	2 590	1959
1960	---	0.616 ON JUN 2	0 ON MAR 1	2 810	1960
1961	---	0.601 ON MAY 29	0 ON MAR 1	2 800	1961
1962	---	0.647 ON MAY 25	0 ON MAR 1	1 340	1962
1963	---	0.908 ON MAY 13	0 ON MAR 1	1 710	1963
1964	---	0.634 ON MAY 24	0 ON MAR 1	1 810	1964
1965	---	0.850A ON MAY 26	0 ON MAR 1	2 070	1965
1966	---	1.22 ON MAY 29	0 ON MAR 1	2 330	1966
1967	---	1.34 ON JUN 2	0 ON MAR 1	2 980	1967
1968	---	1.28 ON MAY 9	0E ON MAR 1	3 040	1968
1969	---	1.02 ON JUL 24	0B ON MAR 1	2 990	1969
1970	---	1.78 ON JUN 10	0E ON MAR 1	3 870	1970
1971	---	1.08 ON JUL 20	0 ON MAR 1	3 250	1971
1972	---	1.08 ON JUL 24	0 ON MAR 1	3 290	1972
1973	---	1.38 ON MAY 18	0 ON MAR 1	3 470	1973
1974	---	2.03 ON JUN 13 *	0B ON MAR 1	3 210	1974
1975	---	1.70 ON JUN 14	0 ON JUN 28	2 770	1975
1976	---	1.43 ON MAY 19	0 ON MAR 1	2 800	1976
1977	---	1.48 ON MAY 10	0E ON MAR 1	3 150	1977
1978	---	1.88 ON JUN 8	0E ON MAR 1	1 810	1978
1979	---	1.92 ON MAY 30	0E ON MAR 1	2 420	1979
1980	---	1.38 ON MAY 21	0 ON MAR 1	2 880	1980
1981	---	1.23 ON MAY 1	0 ON MAR 1	1 840	1981
1982	---	1.81 ON JUN 16	0 ON MAR 1	1 480	1982
1983	---	1.42 ON MAY 18	0 ON MAR 1	1 480	1983
1984	---	0.914 ON MAY 8	0 ON MAR 1	861	1984
1985	---	0.842 ON JUN 1	0 ON MAR 1	1 780	1985
1986	---	1.44 ON MAY 25	0 ON MAR 1	1 300	1986
1987	---	1.48 ON MAY 21	0 ON MAR 1	1 080	1987
1988	---	1.80 ON MAY 17	0 ON MAR 1	1 870	1988
				1 800	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

RIDALLS TRIBUTARY BELOW GREENLEIGH RESERVOIR - STATION NO. 05MP013

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1968	---	---	0.001	0	0	0	0	0	0	0	---	---	0	1968
1969	---	---	0	0.562	0	0	0	0	0	0	---	---	0.089	1969
1970	---	---	0	0.488	0	0	0	0	0	0	---	---	0.081	1970
1971	---	---	0	0.221	0.001	0	0	0	0	0	---	---	0.027	1971
1972	---	---	0	0	0	0	0	0	0	0	---	---	0	1972
1973	---	---	0.001	0.001	0	0	0	0	0	0	---	---	0	1973
1974	---	---	0	0.239	0.012	0.004	0.002	0.042	0.001	0.001	---	---	0.037	1974
1975	---	---	0	0.378	0.014	0.001	0	0	0	0	---	---	0.048	1975
1976	---	---	0	0.161	0	0	0	0	0	0	---	---	0.020	1976
1977	---	---	0	0	0	0	0	0	0	0	---	---	0	1977
1978	---	---	0	0.038	0.001	0	0	0	0	0	---	---	0.005	1978
1979	---	---	0	0.003	0.001	0	0	0	0	0	---	---	0	1979
1980	---	---	0	0	0	0	0	0	0	0	---	---	0	1980
1981	---	---	0	0	0	0	0	0	0	0	---	---	0	1981
1982	---	0	0	0.075	0.001	0	0	0	0	0	---	---	0.008	1982
1983	---	---	0.028	0.013	0	0	0	0	0	0	---	---	0.006	1983
1984	---	---	0	0	0	0	0	0	0	0	---	---	0	1984
1985	---	---	0	0.284	0.001	0	0	0	0	0	---	---	0.036	1985
1986	---	---	0	0	0	0	0	0	0	0	---	---	0	1986
MEAN	---	0	0.002	0.131	0.002	0	0	0.002	0	0	---	---	0.017	MEAN

LOCATION - LAT 51 17 51 N DRAINAGE AREA, 25.1 km²
LONG 106 27 13 W REGULATED

RIDALLS TRIBUTARY BELOW GREENLEIGH RESERVOIR - STATION NO. 05MP013

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1968	---	0.0058 ON MAR 2	0 ON MAR 7 *	1.47	1968
1969	5.36 AT 18:00 CST ON APR 12 *	5.10 ON APR 13 *	0 ON MAR 1	1 480	1969
1970	---	4.39 B ON APR 11	0 ON MAR 1	1 290	1970
1971	1.30 AT 12:36 CST ON APR 13	1.18 ON APR 13	0 ON MAR 1	578	1971
1972	0 AT 00:00 CST ON MAR 1	0 ON MAR 1	0 ON MAR 1	0	1972
1973	---	0.0058 ON MAR 20	0 ON MAR 1	4.06	1973
1974	3.06 B ON APR 19	3.06 B ON APR 19	0 ON MAR 1	785	1974
1975	---	2.74 B ON APR 20	0 ON MAR 1	1 020	1975
1976	3.57 B AT 03:54 CST ON APR 7	1.31 B ON APR 7	0 ON MAR 1	418	1976
1977	0.020 AT 18:46 CST ON MAY 15	0.003 ON MAY 15	0 ON MAR 1	1.04	1977
1978	0.2048 AT 04:00 CST ON APR 8	0.1708 ON APR 8	0 ON MAR 1	101	1978
1979	0.010 AT 07:33 CST ON APR 22	0.010 ON APR 22	0 ON MAR 1	9.34	1979
1980	---	0 ON MAR 1	0 ON MAR 1	0	1980
1981	---	0 ON MAR 1	0 ON MAR 1	0	1981
1982	0.848 AT 03:11 CST ON APR 17	0.818 ON APR 17	0 ON MAR 1	187	1982
1983	0.334 AT 10:36 CST ON MAR 30	0.311 ON MAR 30	0 ON MAR 1	111	1983
1984	0 AT 00:00 CST ON MAR 1	0 ON MAR 1	0 ON MAR 1	0	1984
1985	1.87 B AT 22:54 CST ON APR 9	1.84 B ON APR 9	0 ON MAR 1	785	1985
1986	0 AT 00:01 CST ON MAR 1	0 ON MAR 1	0 ON MAR 1	0	1986
				388	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

RIDGE CREEK NEAR BRIDGEFORD - STATION NO. 05JD013

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1970	---	---	0.218	3.61	0.188	0.314	0.038	0.001	0.002	0.004	---	---	0.447	1970
1971	---	---	0.003	1.70	0.014	0.025	0.011	0.002	0.003	0.018	---	---	0.218	1971
1972	---	---	0.263	0.078	0.023	0.006	0.002	0.005	0.004	0.005	---	---	0.047	1972
1973	---	---	0.371	0.078	0.038	0.038	0.001	0	0.002	0.018	---	---	0.068	1973
1974	---	---	0	5.32	0.708	0.052	0.008	0.008	0.007	0.010	---	---	0.875	1974
1975	---	---	0.005	1.53	0.068	0.015	0.006	0.004	0.008	0.008	---	---	0.264	1975
1976	---	---	1.76	1.11	0.025	0.008	0.003	0.001	0.001	0.002	---	---	0.367	1976
1977	---	---	0.010	0.034	0.021	0.008	0.005	0	0.003	0.002	---	---	0.010	1977
1978	---	---	0.234	0.304	0.025	0.003	0.001	0.001	0.001	0.003	---	---	0.071	1978
1979	---	---	0.488	0.751	0.103	0.008	0.003	0	0	0.001	---	---	0.170	1979
1980	---	---	0.370	0.068	0.007	0.001	0.002	0.001	0	0	---	---	0.056	1980
1981	---	0.138	0.048	0.008	0.007	0.004	0.023	0.003	0.003	0.003	---	---	0.012	1981
1982	---	0.001	0.183	3.30	0.103	0.073	0.072	0.002	0.001	0.002	---	---	0.488	1982
1983	---	0.046	0.383	0.124	0.027	0.003	0.380	0.025	0.002	0.008	---	---	0.118	1983
1984	---	---	0.320	0.068	0.014	0.005	0	0	0	0.010	---	---	0.061	1984
1985	---	0.001	2.03	0.834	0.030	0.002	0	0	0	0	---	---	0.339	1985
1986	---	0.309	0.478	0.036	0.081	0.001	0	0	0	0.004	---	---	0.073	1986
1987	---	---	0.817	0.321	0.008	0.002	0.001	0	0	0	---	---	0.118	1987
1988	---	0	0.010	0.017	0.005	0	0	0	0	0	---	---	0.005	1988
MEAN	---	0.083	0.412	1.02	0.077	0.030	0.028	0.003	0.002	0.005	---	---	0.195	MEAN

LOCATION - LAT 50 57 05 N DRAINAGE AREA, 480 km²
LONG 108 19 48 W NATURAL FLOW

RIDGE CREEK NEAR BRIDGEFORD - STATION NO. 05JG013

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1970	23.0 AT 19:52 CST ON APR 7	20.8 ON APR 8	0 ON AUG 24 *	9 470	1970
1971	20.8 B AT 20:47 CST ON APR 7	15.5 B ON APR 7	0 ON AUG 24	4 800	1971
1972	2.38 B AT 20:06 CST ON MAR 18	1.38 B ON MAR 18	0B ON MAR 1	1 000	1972
1973	2.86 B AT 19:30 CST ON MAR 11	2.42 B ON MAR 11	0B ON MAR 1	1 400	1973
1974	36.6 AT 06:34 CST ON APR 22 *	33.1 ON APR 22 *	0B ON MAR 1	18 600	1974
1975	7.75 AT 13:10 CST ON APR 14	5.95 ON APR 15	0B ON MAR 1	4 320	1975
1976	22.2 B AT 21:18 CST ON MAR 30	17.8 B ON MAR 31	0B ON MAR 1	7 760	1976
1977	1.09 AT 16:48 CST ON MAY 26	0.102 ON APR 12	0 ON AUG 4	221	1977
1978	3.03 AT 22:55 CST ON MAR 29	2.20 ON MAR 30	0 ON JUN 15	1 500	1978
1979	5.17 B AT 20:04 CST ON APR 17	4.14 B ON APR 17	0 ON JUL 20	3 800	1979
1980	3.83 B AT 22:12 CST ON MAR 22	1.45 B ON MAR 20	0B ON MAR 8	1 190	1980
1981	2.08 AT 08:15 CST ON JUL 18	0.382 ON JUL 19	0 ON JUL 11	284	1981
1982	24.7 B AT 00:15 CST ON APR 14	22.5 B ON APR 14	0 ON AUG 9	9 720	1982
1983	3.61 AT 12:38 CST ON JUL 21	2.17 B ON MAR 12	0 ON AUG 21	2 480	1983
1984	2.05 B AT 19:49 CST ON MAR 20	1.56 B ON MAR 20	0 ON JUN 17	1 080	1984
1985	16.7 AT 21:53 CST ON MAR 20	11.7 B ON MAR 20	0 ON JUN 24	7 170	1985
1986	---	4.30 B ON MAR 1	0 ON JUN 23	1 550	1986
1987	3.13 B AT 17:37 CST ON MAR 28	2.36 B ON MAR 6	0 ON JUN 13	2 510	1987
1988	0.085 AT 03:42 CST ON APR 3	0.052 ON APR 3	0 ON JUN 1	108	1988
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		4 130	MEAN

ROCK CREEK AT INTERNATIONAL BOUNDARY - STATION NO. 11AE005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1914	---	---	---	---	0.353	0.212	0.243	0.131	0.033	0.288	---	---	---	1914
1915	---	---	---	2.89	0.688	0.207	0.181	0.065	0.006	0.014	---	---	---	1915
1927	---	---	0.388	8.50	1.28	0.858	0.158	0.080	0.088	0.116	---	---	1.81	1927
1928	---	---	4.36	0.852	0.284	0.764	0.425	0.081	0.049	0.106	---	---	0.859	1928
1929	---	---	0.330	0.274	0.239	0.073	0.033	0.004	0.002	0.015	---	---	0.121	1929
1930	---	---	1.76	3.22	0.204	0.015	0.029	0.018	0.270	0.157	---	---	0.708	1930
1931	---	---	0.380	0.060	0.024	0.067	0.018	0.001	0	0.021	---	---	0.067	1931
1932	---	---	0.885	0.338	0.107	0.282	0.068	0.001	0	0.007	---	---	0.178	1932
1933	---	---	1.48	0.380	0.275	0.058	0.010	0.245	0.051	0.014	---	---	0.317	1933
1934	---	---	2.80	0.805	0.102	0.068	0.024	0	0	0.047	---	---	0.484	1934
1935	---	---	0.047	1.34	0.312	0.178	0.521	0.008	0	0.028	---	---	0.302	1935
1936	---	---	0	2.20	0.382	0.048	0	0	0	0	0.012	0.002	0.323	1936
1937	---	---	0.040	0.811	0.041	0.007	0.408	0	0	0.020	---	---	0.188	1937
1938	---	---	2.40	1.33	0.278	0.737	0.318	0	0.004	0.083	---	---	0.786	1938
1939	---	---	8.39	0.444	0.788	2.20	0.080	0.007	0.001	0.028	---	---	1.80	1939
1940	---	---	0.042	2.21	0.280	0.281	0.088	0.010	0	0.014	---	---	0.388	1940
1941	---	---	3.77	0.332	0.133	0.083	0.024	0	0.001	0.018	---	---	0.551	1941
1942	---	---	1.48	1.89	0.185	0.495	0.112	0.023	0.078	0.043	---	---	0.508	1942
1943	---	---	8.77	3.43	0.278	1.60	0.218	0.018	0.007	0.103	---	---	1.55	1943
1944	---	---	0.387	1.71	0.274	0.280	0.043	0.800	0.010	0.028	---	---	0.387	1944
1945	---	---	3.58	0.227	0.153	0.103	0.048	0	0	0.013	---	---	0.517	1945
1946	---	---	1.84	0.228	0.088	0.147	0.048	0	0	0.018	---	---	0.298	1946
1947	---	---	1.27	5.00	0.251	0.524	0.122	0.228	0.008	0.032	---	---	0.818	1947
1948	---	---	0.827	3.25	0.298	0.084	0.832	0.026	0.001	0.020	---	---	0.818	1948
1949	---	---	0.180	0.880	0.134	0.082	0.172	0.011	0	0.044	---	---	0.200	1949
1950	---	---	0	7.55	0.885	0.885	0.088	0.037	0.037	0.089	---	---	1.14	1950
1951	---	---	0	8.44	1.12	0.239	0.081	0.007	0.183	0.128	---	---	1.02	1951
1952	---	---	0.007	14.1	0.340	0.138	1.15	0.083	0.082	0.087	---	---	1.88	1952
1953	---	---	0.470	1.21	1.16	1.44	0.411	0.034	0.028	0.085	0.130	---	0.613	1953
1954	---	---	0.674	6.82	0.487	1.48	0.283	0.488	0.188	0.178	0.148	---	1.32	1954
1955	---	---	0.188	7.18	1.48	0.197	0.127	0.028	0.030	0.078	---	---	1.14	1955
1956	---	---	2.00	0.897	0.415	0.488	0.102	0.020	0.038	0.085	---	---	0.518	1956
1957	---	---	0.781	0.803	0.188	0.074	0.008	0	0.005	0.028	---	---	0.203	1957
1958	---	---	1.28	1.87	0.120	0.037	0.014	0	0	0.028	---	---	0.414	1958
1959	---	---	1.28	0.518	0.141	0.278	0.108	0	0.008	0.130	---	---	0.318	1959
1960	---	---	8.18	0.588	0.208	0.148	0.048	0.033	0	0.014	---	---	0.808	1960
1961	---	---	0.384	0.200	0.141	0.038	0.008	0	0	0.018	---	---	0.088	1961
MEAN	---	---	1.83	2.84	0.378	0.381	0.177	0.080	0.032	0.088	0.088	0.002	0.883	MEAN

LOCATION - LAT 48 59 20 N LONG 108 47 30 W DRAINAGE AREA, 808 km^2 REGULATED INTERNATIONAL GAUGING STATION

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)		MAXIMUM DAILY DISCHARGE (m^3/s)		MINIMUM DAILY DISCHARGE (m^3/s)		TOTAL DISCHARGE (dam^3)	YEAR
1914	---		---		0	ON MAY 21 *	---	1914
1915	---		25.0 B	ON APR 4	---		---	1915
1927	---		37.4	ON APR 6	0 B	ON MAR 1	31 800	1927
1928	36.8	ON MAR 22	20.2	ON MAR 20	0.023	ON AUG 21	18 200	1928
1929	---		1.59	ON MAR 30	0	ON MAR 1	2 570	1929
1930	---		17.2	ON APR 4	0	ON AUG 28	15 000	1930
1931	---		1.378	ON MAR 18	0	ON APR 22	1 410	1931
1932	---		4.78	ON MAR 25	0 E	ON MAR 1	3 710	1932
1933	---		5.688	ON MAR 18	0	ON JUL 9	6 700	1933
1934	---		5.888	ON MAR 3	0	ON JUL 22	10 200	1934
1935	7.19	ON JUL 23	5.87	ON JUL 23	0 B	ON MAR 1	6 380	1935
1936	14.6	ON APR 14	11.8	ON APR 14	0	ON MAR 1	8 840	1936
1937	5.69	ON JUL 13	3.54	ON JUL 14	0 B	ON MAR 1	3 490	1937
1938	22.6 B	ON MAR 17	17.6 B	ON MAR 17	0 B	ON MAR 1	15 200	1938
1939	66.2	ON MAR 25	64.6	ON MAR 25	0	ON MAR 1	31 700	1939
1940	11.8 B	ON APR 16	10.3 B	ON APR 16	0	ON JUL 15	7 510	1940
1941	26.2	ON MAR 22	21.0	ON MAR 22	0 B	ON MAR 1	11 700	1941
1942	11.9	ON APR 3	8.88	ON APR 3	0 B	ON MAR 1	10 700	1942
1943	58.6	ON MAR 30	56.6	ON MAR 30	0	ON MAR 1	32 800	1943
1944	22.0 B	ON APR 2	14.2 B	ON APR 2	0 B	ON MAR 1	6 410	1944
1945	25.3 B	ON MAR 14	18.1 B	ON MAR 14	0 B	ON MAR 1	10 800	1945
1946	7.078	ON MAR 20	6.518	ON MAR 20	0	ON MAR 1	6 200	1946
1947	23.3	ON APR 3	17.1	ON APR 3	0 B	ON MAR 1	15 500	1947
1948	30.0	ON JUL 14	13.2	ON APR 17	0 B	ON MAR 1	13 100	1948
1949	4.708	ON APR 1	3.988	ON APR 1	0 B	ON MAR 1	4 230	1949
1950	37.7	ON APR 16	35.7	ON APR 16	0 B	ON MAR 1	24 100	1950
1951	21.4 B	ON APR 26	18.4 B	ON APR 26	0 B	ON MAR 1	21 800	1951
1952	93.7	ON APR 15 *	88.5	ON APR 15 *	0 B	ON MAR 1	41 400	1952
1953	9.34	ON JUN 9	8.00	ON JUN 9	0.017	ON AUG 21	13 000	1953
1954	63.7 E	ON APR 7	51.5 B	ON APR 6	0.0578	ON MAR 1	26 100	1954
1955	48.1 B	ON APR 2	37.4 B	ON APR 2	0 B	ON MAR 1	24 200	1955
1956	17.1 B	ON MAR 27	14.2 B	ON MAR 26	0 B	ON MAR 1	11 000	1956
1957	8.03	ON APR 24	4.818	ON MAR 23	0 B	ON MAR 1	4 300	1957
1958	26.2 B	ON MAR 31	22.7 B	ON MAR 31	0 B	ON MAR 10	8 780	1958
1959	8.818	ON MAR 26	7.168	ON MAR 26	0 B	ON MAR 1	6 700	1959
1960	46.8	ON MAR 27	36.8	ON MAR 27	0	ON MAR 1	18 300	1960
1961	---		1.878	ON MAR 20	0	ON JUN 22	2 089	1961
							13 800	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

ROCK CREEK BELOW HORSE CREEK NEAR INTERNATIONAL BOUNDARY - STATION NO. 11AE009

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1916	---	---	4.98	13.8	1.06	0.676	0.566	0.076	0.060	0.117	---	---	---	1916
1917	---	---	0	9.39	0.822	0.402	0.070	0.001	0.048	0.056	---	---	---	1917
1918	---	---	---	1.79	0.326	0.121	0.029	0.132	0.068	0.109	---	---	---	1918
1919	---	---	0.009	8.61	0.302	0.063	0.016	0.002	0.001	0.055	---	---	---	1919
1920	---	---	1.83	2.69	0.781	0.200	0.068	0.014	0.068	0.087	---	---	---	1920
1921	---	---	---	0.566	0.337	0.508	1.73	0.056	0.568	0.140	---	---	---	1921
1922	---	---	0.010	8.15	1.20	0.733	0.198	0.068	0.037	0.073	---	---	---	1922
1923	---	---	0.087	3.60	0.742	4.85	2.09	0.428	0.178	0.200	---	---	---	1923
1924	---	---	0.102	2.02	0.427	0.353	0.105	0.108	0.065	1.85	---	---	---	1924
1925	---	---	11.3	5.86	0.380	0.807	0.127	0.026	0.310	0.484	---	---	---	1925
1926	---	---	3.83	0.365	0.447	1.48	0.065	0.032	0.068	0.077	---	---	---	1926
1956	---	---	---	---	---	---	---	---	---	0.058	---	---	---	1956
1957	---	---	0.800	0.634	0.188	0.132	0.012	0.001	0.003	0.045	---	---	---	1957
1958	---	---	2.14	2.14	0.135	0.048	0.008	0	0	0.015	---	---	---	1958
1959	---	---	1.78	0.629	0.113	0.419	0.098	0	0	0.113	---	---	---	1959
1960	---	---	5.50	0.711	0.271	0.103	0.051	0.083	0	0.004	---	---	---	1960
1961	---	---	0.438	0.226	0.182	0.027	0.001	0	0	0.004	---	---	---	1961
1962	---	---	1.48	2.61	0.143	0.854	0.482	0.073	0.007	0.083	---	---	---	1962
1963	---	---	5.22	0.485	0.211	1.22	0.480	0.052	0.018	0.022	---	---	---	1963
1964	---	---	0.111	0.806	0.187	0.184	0.052	0	0	0.018	---	---	---	1964
1965	---	---	0	3.63	1.80	0.970	0.188	0.112	0.080	0.077	---	---	---	1965
1966	---	---	3.08	0.338	0.363	0.124	0.126	0.017	0.004	0.027	---	---	---	1966
1967	---	---	0.783	11.4	1.12	0.287	0.048	0.003	0.042	0.090	---	---	---	1967
1968	---	---	5.20	0.347	0.113	0.182	0.032	0.018	0.068	0.044	---	---	---	1968
1969	---	---	0.003	12.4	0.884	0.147	1.80	0.051	0.020	0.107	---	---	---	1969
1970	---	---	0.242	5.10	1.82	0.638	0.082	0.018	0.018	0.044	---	---	---	1970
1971	---	---	0.018	3.77	0.211	0.404	0.020	0	0.001	0.022	---	---	---	1971
1972	---	---	4.98	0.859	0.428	0.881	0.085	0.017	0.044	0.091	---	---	---	1972
1973	---	---	1.52	0.212	0.175	0.540	0.052	0.001	0.004	0.021	---	---	---	1973
1974	---	---	1.38	9.25	1.20	0.235	0.150	0.188	0.038	0.083	---	---	---	1974
1975	---	---	0.075	5.86	1.35	0.207	0.048	0.378	0.068	0.155	---	---	---	1975
1976	---	---	10.6	1.88	0.181	0.229	0.409	0.132	0.018	0.045	---	---	---	1976
1977	---	---	0.327	0.780	0.314	0.073	0.174	0.006	0.141	0.208	---	---	---	1977
1978	---	---	7.84	8.98	0.707	0.235	0.728	0.035	0.088	0.080	0.068	0.032	---	1978
1979	0.007	0	0.184	8.54	1.36	0.158	1.15	0.048	0.024	0.048	0.078	0.082	0.983	1979
1980	0.007	0	1.15	2.07	0.108	0.080	0.031	0.003	0.026	0.047	0.078	0.027	0.302	1980
1981	0.050	2.72	0.300	0.126	0.061	0.333	0.048	0	0	0.009	0.031	0.020	0.282	1981
1982	0.001	0.001	0.203	7.63	2.82	0.545	0.078	0.026	0.013	0.083	0.061	0.028	0.935	1982
1983	0.030	0.077	0.882	0.588	0.424	0.080	0.031	0	0	0.008	0.023	0.013	0.188	1983
1984	0	0	0.382	0.382	0.071	0.188	0.011	0	0	0.010	0.027	0.008	0.080	1984
1985	0	0	1.14	0.440	0.108	0.130	0	0.001	0.028	0.088	0.028	0.011	0.184	1985
1986	0.013	0.028	8.15	0.288	0.886	0.085	0.258	0.002	0.354	0.281R	0.087R	0.048R	0.888R	1986
1987	0.032	0.480	4.00	1.61	0.060	0.024	0.473	0.181	0.018	0.028	0.085	0.040	0.678	1987
1988	0	0	0.171	0.185	0.198	0.005	0	0	0	0	0.003	0.003	0.045	1988
MEAN	0.014	0.330	2.34	3.48	0.671	0.483	0.284	0.055	0.051	0.113R	0.048R	0.026R	0.441R	MEAN

LOCATION - LAT 48 58 10 N LONG 108 50 20 W DRAINAGE AREA, 837 km² NATURAL FLOW

DATA CONTRIBUTED BY - UNITED STATES GEOLOGICAL SURVEY R - REVISED SINCE JAN 01 1987

ROCK CREEK BELOW HORSE CREEK NEAR INTERNATIONAL BOUNDARY - STATION NO. 11AE009

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1916	---	28.3 B ON MAR 30	0B ON MAR 1 *	---	1916
1917	---	70.8 E ON APR 15	0E ON MAR 1	---	1917
1918	---	---	---	---	1918
1919	---	36.0 B ON APR 4	0B ON MAR 1	---	1919
1920	12.3 B AT 07:30 MST ON MAR 26	9.858 ON MAR 26	0 ON MAR 1	---	1920
1921	23.8 AT 18:00 MST ON JUL 13	22.6 ON JUL 14	---	---	1921
1922	66.0 B ON APR 6	53.6 B ON APR 6	0B ON MAR 1	---	1922
1923	48.1 AT 14:00 MST ON JUN 1	40.6 ON JUN 1	---	---	1923
1924	---	7.88 ON OCT 12	0B ON FEB 20	---	1924
1925	102 ON MAR 31	95.4 B ON MAR 30	0 ON MAR 1	---	1925
1926	---	17.2 ON MAR 17	---	---	1926
1956	---	---	---	---	1956
1957	---	5.528 ON MAR 23	0B ON MAR 1	---	1957
1958	40.5 B AT 07:30 MST ON MAR 31	31.7 B ON MAR 31	0B ON MAR 11	---	1958
1959	13.1 B AT 12:30 MST ON MAR 28	10.8 B ON MAR 28	0B ON MAR 1	---	1959
1960	58.6 AT 08:00 MST ON MAR 27	50.4 ON MAR 27	0 ON MAR 1	---	1960
1961	2.328 AT 18:00 MST ON MAR 20	1.839 ON MAR 21	0 ON JUN 25	---	1961
1962	25.5 AT 01:00 MST ON JUN 15	15.8 ON APR 5	0 ON MAR 1	---	1962
1963	23.1 B AT 09:00 MST ON MAR 22	19.2 B ON MAR 24	0B ON MAR 1	---	1963
1964	3.868 AT 18:40 MST ON APR 2	2.978 ON APR 2	0B ON MAR 1	---	1964
1965	34.3 AT 01:00 MST ON MAY 7	25.9 ON MAY 7	0 ON MAR 1	---	1965
1966	---	24.4 B ON MAR 15	0B ON MAR 1	---	1966
1967	57.2 AT 08:00 MST ON APR 12	49.0 ON APR 11	0B ON MAR 6	---	1967
1968	34.0 B AT 07:15 MST ON MAR 5	25.3 B ON MAR 5	0 ON AUG 2	---	1968
1969	125 AT 01:00 MST ON APR 7 *	98.0 ON APR 7 *	0B ON MAR 1	---	1969
1970	58.2 AT 04:15 MST ON APR 7	51.6 ON APR 7	---	---	1970
1971	28.3 B AT 10:30 CST ON APR 10	24.1 B ON APR 10	0B ON MAR 1	---	1971
1972	44.2 B AT 08:00 MST ON MAR 20	36.6 B ON MAR 20	0 ON MAR 1	---	1972
1973	17.4 AT 12:00 CST ON JUN 14	7.36 ON JUN 14	0 ON AUG 8	---	1973
1974	34.0 B AT 13:00 CST ON APR 8	28.9 B ON APR 8	---	---	1974
1975	28.8 AT 15:30 CST ON APR 24	24.6 ON APR 24	---	---	1975
1976	48.7 B AT 14:30 CST ON MAR 20	41.8 ON MAR 24	---	---	1976
1977	3.848 AT 21:00 MST ON APR 8	3.038 ON APR 8	---	---	1977
1978	114 AT 00:15 CST ON MAR 31	86.0 ON MAR 30	---	---	1978
1979	44.7 AT 09:00 CST ON APR 18	40.5 ON APR 18	0B ON FEB 1	30 300	1979
1980	17.3 B AT 18:00 CST ON MAR 30	14.2 B ON MAR 30	0B ON JAN 11	9 550	1980
1981	26.6 B AT 08:30 CST ON FEB 18	18.1 B ON FEB 18	0 ON APR 1	9 220	1981
1982	61.2 AT 21:45 CST ON APR 13	48.7 ON APR 14	0B ON JAN 6	29 200	1982
1983	8.80 AT 01:30 CST ON MAR 31	5.32 ON APR 1	0 ON AUG 4	5 350	1983
1984	2.83 AT 12:15 CST ON JUN 21	1.37 ON JUN 21	0B ON JAN 1	2 520	1984
1985	---	8.515 ON MAR 19	0B ON JAN 1	5 180	1985
1986	---	28.3 B ON MAR 5	0 ON AUG 20	28 000R	1986
1987	31.1 B AT 08:45 CST ON MAR 7	25.5 B ON MAR 7	0 ON JUL 18	18 200	1987
1988	1.47 AT 00:45 CST ON MAY 8	1.08 ON MAY 8	0B ON JAN 4	1 410	1988
				13 900R	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD
R - REVISED SINCE JAN 01 1987

ROMANCE CREEK NEAR WATSON - STATION NO. 05MA018

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1966	---	---	0.302	1.47	0.002	0	0	0	0	0	---	---	0.218	1966
1967	---	---	0	1.26	1.53	0.004	0	0	0	0	---	---	0.350	1967
1968	---	---	0.044	0.144	0	0	0	0	0	0	---	---	0.124	1968
1969	---	---	0	2.02	0.020	0	0	0	0	0	---	---	0.280	1969
1971	---	---	0	2.85	0.114	0.004	0.418	0	0	0	---	---	0.428	1971
1972	---	---	0.005	8.87	2.06	0.214	0	0	0	0	---	---	1.10	1972
1973	---	---	0.008	0.043	0	0.880	0.077	0	0	0	---	---	0.088	1973
1974	---	---	---	---	3.36	0.850	0.188	---	---	---	---	---	---	1974
1975	---	---	---	---	2.26	0.081	---	---	---	---	---	---	---	1975
1976	---	---	---	5.18	---	---	---	---	---	---	---	---	---	1976
1977	---	---	0	0.081	0.100	0.088	0	0	0	0	---	---	0.027	1977
1978	---	---	0.003	2.01	0.040	0.001	0	0	0	0	---	---	0.252	1978
1979	---	---	0	5.53	2.40	0.181	0.032	0.005	0.001	0.001	---	---	1.01	1979
1980	---	---	0	1.86	0.110	0.008	0.032	0	0	0	---	---	0.247	1980
1981	---	0	0.004	0	0	0	0	0	0	0	---	---	0.001	1981
1982	---	---	0.001	0.226	0.006	0.002	0.102	0.038	0.001	0	---	---	0.047	1982
1983	---	---	0	1.03	0.144	0.009	0.436	0.108	0.001	0	---	---	0.214	1983
1984	---	---	0.192	0.252	0.127	0.011	0	0	0	0	---	---	0.073	1984
1985	---	---	0	5.33	0.214	0.016	0	0	0	0	---	---	0.864	1985
1986	---	---	0.463	0.479	0.017	0	0	0	0	0	---	---	0.118	1986
1987	---	---	0.021	1.07	0.002	0	0	0	0	0	---	---	0.134	1987
1988	---	---	0	3.08	0.027	0	0	0	0	0	---	---	0.376	1988
MEAN	---	0	0.068	2.08	0.598	0.102	0.063	0.006	0	0	---	---	0.308	MEAN

LOCATION - LAT 51 59 37 N
LONG 104 33 11 W
DRAINAGE AREA, 806 km^2
REGULATED

ROMANCE CREEK NEAR WATSON - STATION NO. 05MA016

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1965	---	7.87 ON APR 1	0E ON MAR 1 *	4 810	1965
1967	---	10.7 ON APR 28	0E ON MAR 1	7 410	1967
1968	---	4.11 ON MAR 24	0E ON MAR 1	2 830	1968
1969	---	8.03 ON APR 13	0 ON MAR 1	5 280	1969
1971	---	10.3 ON APR 10	0E ON MAR 1	9 070	1971
1972	---	13.2 ON APR 15	0E ON MAR 1	23 400	1972
1973	---	3.43 ON JUN 7	0E ON MAR 1	2 080	1973
1974	---	21.2 ON APR 21	0 ON AUG 8	---	1974
1975	---	---	---	---	1975
1976	---	---	---	---	1976
1977	1.89 AT 21:26 CST ON MAY 30	0.984 ON MAY 30	0E ON MAR 1	578	1977
1978	8.35 AT 20:00 CST ON APR 8	8.12 ON APR 10	0E ON MAR 1	5 330	1978
1979	28.1 AT 23:31 CST ON APR 24 *	25.6 ON APR 24 *	0E ON MAR 1	21 300	1979
1980	6.26 AT 09:30 CST ON APR 13	5.84 B ON APR 13	0E ON MAR 1	5 230	1980
1981	0.035 AT 01:19 CST ON JUL 31	0.0218 ON MAR 16	0E ON MAR 1	13.4	1981
1982	2.21 AT 09:26 CST ON APR 16	1.16 ON APR 16	0E ON MAR 1	892	1982
1983	5.03 B AT 23:50 CST ON APR 18	4.16 ON APR 22	0E ON MAR 1	4 530	1983
1984	1.73 B AT 17:22 CST ON MAR 28	1.19 B ON MAR 28	0E ON MAR 1	1 540	1984
1985	21.4 B AT 03:45 CST ON APR 11	18.6 B ON APR 10	0E ON MAR 1	17 000	1985
1986	5.63 B AT 04:30 CST ON MAR 31	4.78 B ON MAR 31	0E ON MAR 1	2 500	1986
1987	4.13 AT 23:11 CST ON APR 6	3.92 ON APR 6	0E ON MAR 1	2 440	1987
1988	12.2 B AT 00:18 CST ON APR 4	10.4 ON APR 5	0E ON MAR 1	7 990	1988
				8 540	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

ROSE CREEK AT DORRELL - STATION NO. 11AC015

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1911	---	---	---	---	0.019	0.015	0.007	0.003	0.011	0.012	---	---	---	1911
1912	---	---	---	---	0.034	0.020	0.007	0.008	0.010	0.013	---	---	---	1912
1913	---	---	---	0.274	0.031	0.023	0.010	0.003	0.003	0.006	---	---	---	1913
1914	---	---	---	0.108	0.018	0.016	0.002	0.001	0.010	0.017	---	---	---	1914
MEAN	---	---	---	0.190	0.026	0.019	0.007	0.004	0.009	0.012	---	---	---	MEAN

LOCATION - LAT 49 35 10 N LONG 108 52 50 W
DRAINAGE AREA, 28.8 km^2
REGULATED

ROSE CREEK AT DORRELL - STATION NO. 11AC015

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1911	---	---	---	---	1911
1912	---	---	---	---	1912
1913	---	---	---	---	1913
1914	---	---	0 ON JUL 26 *	---	1914
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

ROUGHBARK CREEK ABOVE ROUGHBARK RESERVOIR - STATION NO. 05NB015

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1959	---	---	0	0	0	0	0	0	0	0	---	---	0	1959
1960	---	---	0.810	1.18	0.013	0	0	0	0	0	---	---	0.280	1960
1961	---	---	0	0	0	0	0	0	0	0	---	---	0	1961
1962	---	---	0.001	0.182	0	0.001	0	0	0	0	---	---	0.020	1962
1963	---	---	0.067	0.018	0	0.376	0	0	0	0	---	---	0.058	1963
1964	---	---	0	0.496	0.017	0	0	0	0	0	---	---	0.083	1964
1965	---	---	0	0.588	0.872	0.331	0.022	0.001	0.011	0.010	---	---	0.238	1965
1966	---	---	0.256	0.018	0.011	0	0	0	0	0	---	---	0.038	1966
1967	---	---	0.002	0.813	0.631	0.002	0	0	0	0	---	---	0.188	1967
1968	---	---	0	0	0	0	0.022	0.024	0	0	---	---	0.008	1968
1969	---	---	0	3.04	0.078	0	0.006	0	0	0	---	---	0.383	1969
1970	---	---	0	1.38	1.74	0.056	0	0	0	0	---	---	0.384	1970
1971	---	---	0.001	1.16	0.012	0	0.288	0.006	0.001	0	---	---	0.180	1971
1972	---	---	1.14	0.120	0.026	0.008	0.002	0	0	0	---	---	0.184	1972
1973	---	---	0	0	0	0	0	0	0	0	---	---	0	1973
1974	---	---	0	3.52	0.286	0.056	0	0	0	0	---	---	0.476	1974
MEAN	---	---	0.150	0.783	0.237	0.052	0.021	0.002	0.002	0.001	---	---	0.152	MEAN

LOCATION - LAT 49 28 39 N LONG 103 48 58 W
DRAINAGE AREA, 156 km^2
REGULATED

ROUGHBARK CREEK ABOVE ROUGHBARK RESERVOIR - STATION NO. 05NB015

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1959	---	0 ON MAR 1	0 ON MAR 1 *	0	1959
1960	---	10.6 B ON MAR 30	0B ON MAR 1	5 510	1960
1961	---	0 ON MAR 1	0 ON MAR 1	0	1961
1962	---	0.883 ON APR 3	0 ON MAR 1	423	1962
1963	---	2.72 ON JUN 10	0 ON MAR 1	1 260	1963
1964	---	2.69 B ON APR 6	0B ON MAR 1	1 330	1964
1965	---	7.14 ON MAY 5	0B ON MAR 1	5 050	1965
1966	---	1.39 ON MAR 17	0 ON MAR 1	753	1966
1967	---	2.63 ON MAY 3	0B ON MAR 1	3 280	1967
1968	---	0.396 ON AUG 30	0 ON MAR 1	122	1968
1969	---	24.1 B ON APR 11	0B ON MAR 1	8 100	1969
1970	---	10.2 ON MAY 4	0B ON MAR 1	5 340	1970
1971	11.3 B AT 08:30 CST ON APR 8 *	8.29 B ON APR 8	0B ON MAR 1	3 800	1971
1972	8.47B AT 12:00 CST ON MAR 20	7.62 B ON MAR 20	0B ON MAR 1	3 470	1972
1973	0 B AT 00:00 CST ON MAR 1	0 B ON MAR 1	0B ON MAR 1	0	1973
1974	---	28.3 E ON APR 18 *	0B ON MAR 1	10 100	1974
	B - ICE CONDITIONS E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		3 220	MEAN

ROUGHBARK CREEK BELOW ROUGHBARK RESERVOIR - STATION NO. 05NB023

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1944	---	---	0	0	0.424	0.388	0.086	0.287	0.003	0	---	---	0.144	1944
1980	---	---	0.300	1.81	0.007	0	0.082	0	0	0	---	---	0.232	1980
1981	---	---	0.004	0	0	0	0.023	0	0.031	0	---	---	0.007	1981
1982	---	---	0.012	0.022	0.108	0.016	0	0	0	0	---	---	0.020	1982
1983	---	---	0.048	0	0	0.018	0	0.041	0.013	0	---	---	0.015	1983
1984	---	---	0	0.308	0.018	0	0.056	0	0	0	---	---	0.052	1984
1985	---	---	0	0.590	0.976	0.482	0.006	0	0.085	0.076	---	---	0.277	1985
1986	---	---	0.526	0.120	0.023	0.001	0.047	0	0	0	---	---	0.080	1986
1987	---	---	0.007	0.481	0.416	0.004	0.086	0.138	0	0	---	---	0.139	1987
1988	---	---	0.024	0	0	0	0.072	0.018	0.242	0.005	---	---	0.045	1988
1989	---	---	0	3.32	0.214	0.086	0.026	0.001	0.084	0.143	---	---	0.477	1989
1970	---	---	0.002	0.728	2.82	0.338	0.174	0.001	0	0	---	---	0.484	1970
1971	---	---	0.003	0.788	0.380	0.055	0.026	0.186	0.148	0.017	---	---	0.201	1971
1972	0	0	0.841	0.248	0	0	0	0.099	0.122	0	0	0	0.184	1972
MEAN	0	0	0.126	0.577	0.371	0.095	0.055	0.051	0.052	0.017	0	0	0.166	MEAN

LOCATION - LAT 49 28 37 N DRAINAGE AREA, 264 km^2
LONG 103 42 13 W REGULATED

ROUGHBARK CREEK BELOW ROUGHBARK RESERVOIR - STATION NO. 05NB023

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1944	---	2.48 ON MAY 23	0 ON MAR 1 *	3 050	1944
1980	---	10.5 B ON APR 1	0B ON MAR 1	4 920	1980
1981	---	0.756A ON SEP 12	0A ON MAR 1	152	1981
1982	0.977 AT 13:00 CST ON MAY 5	0.928 ON MAY 5	0B ON MAR 1	422	1982
1983	0.746 AT 07:00 CST ON AUG 25	0.634 ON AUG 24	0B ON MAR 1	319	1983
1984	1.74 AT 18:00 CST ON JUL 23	1.32 ON JUL 23	0B ON MAR 1	1 110	1984
1985	4.84 AT 10:00 CST ON MAY 9	4.36 ON MAY 9	0B ON MAR 1	5 850	1985
1986	---	1.46 B ON MAR 17	0B ON MAR 1	1 910	1986
1987	1.59 AT 15:30 CST ON MAY 5	1.57 ON MAY 5	0B ON MAR 1	2 940	1987
1988	0.977 AT 20:00 CST ON JUL 26	0.843 ON JUL 26	0B ON MAR 1	953	1988
1989	27.2 B AT 13:40 CST ON APR 11 *	25.3 ON APR 12 *	0B ON MAR 1	10 100	1989
1970	13.6 AT 07:00 CST ON MAY 5	12.6 ON MAY 5	0B ON MAR 1	10 200	1970
1971	---	2.12 E ON APR 11	0E ON MAR 20	4 270	1971
1972	---	4.25 E ON MAR 21	0B ON MAR 1	3 470	1972
A - MANUAL GAUGE (SEE REFERENCE INDEX)	B - ICE CONDITIONS E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		3 550	MEAN

RUSHLAKE CREEK ABOVE HIGHFIELD RESERVOIR - STATION NO. 05JC004

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1965	---	---	---	---	---	---	---	---	0.038	0.019	---	---	---	1965
1966	---	---	2.28	0.062	0.058	0.051	0.010	0	0	0	---	---	0.316	1966
1967	---	---	0.619	1.77	0.550	0.023	0	0	0	0	---	---	0.368	1967
1968	---	---	1.18	0.113	0.030	0.001	0	0	0	0	---	---	0.185	1968
1969	---	---	0.250	4.54	0.108	0.008	0.004	0	0	0	---	---	0.803	1969
1970	---	---	1.45	2.52	0.107	0.808	0.087	0	0	0	---	---	0.625	1970
1971	---	---	0.201	3.24	0.01	0.002	0	0	0	0	---	---	0.424	1971
1972	---	---	0.343	0.010	0.030	0.003	0	0	0	0	---	---	0.048	1972
1973	---	---	0.115	0.026	0.014	0	0	0	0	0	---	---	0.020	1973
1974	---	---	0.031	3.57	0.488	0.021	0	0	0	0	---	---	0.803	1974
1975	---	---	0.044	2.23	0.257	0.034	0.001	0	0	0.001	---	---	0.315	1975
1976	---	---	3.88	0.488	0.021	0.011	0.008	0	0	0	---	---	0.570	1976
1977	---	---	0	0.004	0.021	0.008	0	0	0	0	---	---	0.004	1977
1978	---	---	1.36	0.501	0.108	0.011	0	0	0	0	---	---	0.234	1978
1979	---	---	1.28	0.835	0.227	0.008	0	0	0	0	---	---	0.284	1979
1980	---	---	1.18	0.081	0.001	0.001	0	0	0	0	---	---	0.180	1980
1981	---	0.858	0.038	0.025	0.002	0.007	0.004	0	0	0	---	---	0.008	1981
1982	---	---	1.80	1.68	0.074	0.182	0.738	0.208	0.002	0.008	---	---	0.801	1982
1983	---	---	1.56	0.413	0.225	0.007	0.078	0	0	0	---	---	0.284	1983
1984	---	---	0.028	0.004	0.002	0.002	0	0	0	0	---	---	0.005	1984
1985	---	0	0.878	0.208	0.003	0	0	0	0	0	---	---	0.150	1985
1986	---	1.41	0.541	0.008	0.167	0.003	0.005	0	0	0.001	---	---	0.092	1986
1987	---	---	0.143	0.050	0.003	0	0	0	0	0	---	---	0.025	1987
1988	---	---	0.001	0	0	0	0	0	0	0	---	---	0	1988
MEAN	---	0.858	0.842	0.974	0.108	0.058	0.040	0.008	0.002	0.001	---	---	0.253	MEAN

LOCATION - LAT 50 15 12 N DRAINAGE AREA, 325 km²
LONG 107 26 06 W NATURAL FLOW

RUSHLAKE CREEK ABOVE HIGHFIELD RESERVOIR - STATION NO. 05JC004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1965	---	---	0 ON AUG 21 *	---	1965
1966	14.0 B AT 12:00 CST ON MAR 11	11.8 B ON MAR 11	0 ON JUL 12	8 880	1966
1967	18.7 AT 09:00 CST ON APR 11	12.1 ON APR 11	0B ON MAR 1	7 780	1967
1968	8.27 B AT 12:00 CST ON MAR 1	8.85 B ON MAR 1	0 ON JUN 5	3 480	1968
1969	77.8 AT 02:00 CST ON APR 8 *	37.7 ON APR 8 *	0 ON JUL 4	12 800	1969
1970	30.8 AT 08:38 CST ON APR 7	18.8 ON APR 7	0 ON JUL 5	13 200	1970
1971	28.2 AT 08:41 CST ON APR 7	16.8 ON APR 7	0B ON MAR 1	8 880	1971
1972	2.15 AT 14:37 CST ON MAR 17	1.84 ON MAR 17	0B ON MAR 1	1 030	1972
1973	0.8248 AT 10:38 CST ON MAR 6	0.5188 ON MAR 6	0 ON JUN 7	414	1973
1974	18.5 AT 08:47 CST ON APR 12	12.3 ON APR 12	0B ON MAR 1	10 800	1974
1975	22.1 AT 08:58 CST ON APR 20	14.5 ON APR 20	0B ON MAR 1	8 870	1975
1976	45.3 B AT 10:13 CST ON MAR 19	30.0 B ON MAR 19	0B ON MAR 1	12 100	1976
1977	0.2823 AT 17:02 CST ON MAY 20	0.188 ON MAY 21	0B ON MAR 1	78.8	1977
1978	7.28 B AT 18:48 CST ON MAR 27	5.41 B ON MAR 27	0B ON MAR 1	4 950	1978
1979	11.3 B AT 13:50 CST ON MAR 17	8.36 B ON MAR 17	0B ON MAR 1	8 220	1979
1980	14.5 B AT 13:33 CST ON MAR 19	8.00 B ON MAR 19	0B ON MAR 1	3 380	1980
1981	---	0.108 ON MAR 28	0 ON MAY 23	185	1981
1982	18.3 AT 19:50 CST ON JUL 2	13.4 B ON APR 12	0 ON SEP 16	12 700	1982
1983	18.4 AT 13:04 CST ON MAR 30	13.2 B ON MAR 30	0 ON JUN 20	6 020	1983
1984	0.2778 AT 01:00 CST ON MAR 23	0.1638 ON MAR 23	0B ON MAR 1	88.2	1984
1985	5.11 AT 10:37 CST ON MAR 18	4.41 B ON MAR 15	0 ON JUN 1	3 170	1985
1986	---	3.81 B ON MAR 1	0 ON JUN 28	1 840	1986
1987	2.32 B AT 18:29 CST ON MAR 5	1.71 B ON MAR 5	0B ON MAR 1	519	1987
1988	0.044 AT 20:18 CST ON JUL 5	0.0058 ON MAR 3	0B ON MAR 1	3.37	1988
				8 380	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

RUSSELL CREEK NEAR VANGUARD - STATION NO. 05JB002

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1944	---	---	0.242	1.17	0.071	0.024	---	---	---	---	---	---	---	1944
1945	---	---	0.608	0.062	0.057	0.083	---	---	---	---	---	---	---	1945
1946	---	---	0.887	0.068	0.060	0.126	---	---	---	---	---	---	---	1946
1947	---	---	0	0.478	0.078	0.121	---	---	---	---	---	---	---	1947
1948	---	---	0.743	1.51	0.149	0.054	---	---	---	---	---	---	---	1948
1949	---	---	0.200	0.347	0.028	0.007	---	---	---	---	---	---	---	1949
1950	---	---	0	2.83	0.110	0.054	---	---	---	---	---	---	---	1950
1951	---	---	0	2.38	0.357	0.204	---	---	---	---	---	---	---	1951
1952	---	---	0.005	6.43	0.091	0.001	---	---	---	---	---	---	---	1952
1953	---	---	1.83	0.938	0.252	0.144	---	---	---	---	---	---	---	1953
1954	---	---	0	1.83	0.138	0.313	---	---	---	---	---	---	---	1954
1955	---	---	0.290	1.88	0.422	0.043	---	---	---	---	---	---	---	1955
1956	---	---	0.135	0.320	0.218	0.137	---	---	---	---	---	---	---	1956
1957	---	---	0.735	0.100	0.125	0.108	0.037	0.001	0.008	0.013	---	---	0.142	1957
1958	---	---	0.307	1.80	0.045	0.105	0.018	0.001	0	0.001	---	---	0.281	1958
1959	---	---	0.104	0.002	0.033	0.120	0.018	0.045	0.023	0.008	---	---	0.044	1959
1960	---	---	1.75	0.170	0.038	0.498	0.052	0	0.009	0.025	---	---	0.318	1960
1961	---	---	0.087	0.048	0.005	0.038	0	0	0.028	0.002	---	---	0.025	1961
1962	---	---	0.122	0.885	0.010	0.001	0.045	0.005	0.012	0.013	---	---	0.108	1962
1963	---	---	0.541	0.211	0.027	0.151	0	0	0.011	0	---	---	0.118	1963
1964	---	---	0.001	0.341	0.033	0.082	0.011	0.051	0	0	---	---	0.065	1964
1965	---	---	0	1.98	0.048	0.053	0.208	0.065	0	0.018	---	---	0.281	1965
1966	---	---	1.40	0.270	0.073	0.023	0	0.057	0.042	0.011	---	---	0.237	1966
1967	---	---	0.004	2.00	0.363	0.070	0.030	0.015	0.021	0.010	---	---	0.312	1967
1968	---	---	0.451	0.075	0.055	0.030	0.018	0.007	0.008	0.014	---	---	0.083	1968
1969	---	---	0	3.47	0.188	0.051	1.03	0.080	0.084	0.023	---	---	0.807	1969
1970	---	---	0.018	3.52	0.112	0.074	0.038	0	0.008	0.008	---	---	0.463	1970
1971	---	---	0	2.06	0.067	0.014	0.022	0.003	0.008	0.012	---	---	0.272	1971
1972	---	---	0.021	0.027	0.001	0.008	0	0	0	0.027	---	---	0.011	1972
1973	---	---	0.001	0.002	0.012	0.011	0	0	0	0	---	---	0.003	1973
1974	---	---	0	3.27	0.544	0.015	0.007	0.004	0.001	0.070	---	---	0.481	1974
1975	---	---	0.001	0.800	0.670	0.031	0.018	0.021	0	0	---	---	0.218	1975
1976	---	---	2.09	1.01	0.018	0.048	0.002	0	0	0	---	---	0.386	1976
1977	---	---	0	0.004	0.001	0.001	0.008	0	0	0	---	---	0.002	1977
1978	---	---	0.183	1.15	0.071	0.007	0.001	0	0	0	---	---	0.175	1978
1979	---	---	0.208	1.46	0.347	0.033	0.018	0.001	0	0	---	---	0.255	1979
1980	---	---	0.042	0.034	0.068	0	0	0	0	0.002	---	---	0.018	1980
1981	---	0.018	0.004	0.031	0.068	0.020	0.002	0	0	0	---	---	0.015	1981
1982	---	---	0.038	1.34	0.128	0.158	0.195	0	0.028	0.028	---	---	0.238	1982
1983	---	---	0.084	1.12	0.128	0.015	0	0	0	0	---	---	0.167	1983
1984	---	---	0	0	0	0	0	0	0	0	---	---	0	1984
1985	---	---	0	0	0	0	0	0	0	0.005	---	---	0.001	1985
1986	---	0	0.057	0.337	0.133	0.157	0.001	0	0	0	---	---	0.065	1986
1987	---	0.002	0.026	0.026	0.064	---	---	---	---	---	---	---	---	1987
MEAN	---	0.007	0.298	1.08	0.132	0.076	0.059	0.013	0.009	0.010	---	---	0.181	MEAN

LOCATION - LAT 49 54 18 N DRAINAGE AREA, 313 km²
LONG 107 22 18 W REGULATED SINCE 1951

RUSSELL CREEK NEAR VANGUARD - STATION NO. 05JB002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1944	---	7.19 B ON APR 1	0B ON MAR 1 *	---	1944
1945	---	8.71 B ON MAR 13	0B ON MAR 1	---	1945
1946	---	4.79 B ON MAR 14	0B ON MAR 1	---	1946
1947	---	2.12 B ON APR 13	0B ON MAR 1	---	1947
1948	---	10.4 ON APR 18	0B ON MAR 1	---	1948
1949	---	1.53 B ON APR 1	0B ON MAR 1	---	1949
1950	---	17.3 ON APR 18	0B ON MAR 1	---	1950
1951	---	8.21 B ON APR 10	0B ON MAR 1	---	1951
1952	---	24.8 E ON APR 14	0B ON MAR 1	---	1952
1953	---	15.5 ON MAR 30	0 ON JUN 19	---	1953
1954	---	12.1 ON APR 11	0B ON MAR 1	---	1954
1955	---	8.50 B ON APR 2	0B ON MAR 1	---	1955
1956	---	1.44 B ON MAR 28	0B ON MAR 1	---	1956
1957	---	5.41 ON MAR 24	0B ON MAR 1	3 000	1957
1958	---	23.6 ON APR 1	0B ON MAR 1	5 840	1958
1959	0.9638 AT 08:00 CST ON MAR 11	0.7659 ON MAR 9	0B ON MAR 1	926	1959
1960	15.0 ON MAR 28	11.9 ON MAR 28	0B ON MAR 1	8 730	1960
1961	---	0.394 ON JUN 16	0 ON APR 20	539	1961
1962	---	3.20 B ON APR 6	0B ON MAR 1	2 280	1962
1963	---	8.40 B ON MAR 25	0B ON MAR 1	2 490	1963
1964	---	1.11 ON APR 18	0B ON MAR 1	1 380	1964
1965	---	14.6 ON APR 14	0B ON MAR 1	8 170	1965
1966	11.4 B AT 03:00 ON MAR 13	9.43 B ON MAR 13	0B ON MAR 1	5 020	1966
1967	8.21 B AT 12:30 ON APR 12	7.08 B ON APR 12	0B ON MAR 1	6 810	1967
1968	2.32 B AT 07:00 ON MAR 3	1.81 B ON MAR 3	0 ON MAR 16	1 760	1968
1969	22.8 AT 04:30 ON APR 7	19.3 ON APR 7	0B ON MAR 1	12 800	1969
1970	30.8 AT 10:50 CST ON APR 8 *	28.6 ON APR 8 *	0B ON MAR 1	8 810	1970
1971	11.7 B AT 13:40 CST ON APR 9	10.0 B ON APR 9	0B ON MAR 1	5 780	1971
1972	0.1618 AT 12:50 CST ON MAR 18	0.1059 ON MAR 18	0B ON MAR 1	224	1972
1973	0.031 AT 18:14 CST ON MAY 19	0.028 ON MAY 19	0B ON MAR 1	70.0	1973
1974	15.2 AT 06:56 CST ON APR 13	12.6 ON APR 13	0B ON MAR 1	10 200	1974
1975	5.51 AT 08:04 CST ON MAY 1	5.51 ON MAY 1	0B ON MAR 1	4 810	1975
1976	23.7 B AT 01:43 CST ON MAR 20	21.7 B ON MAR 20	0B ON MAR 1	8 380	1976
1977	0.045 AT 13:55 CST ON JUL 21	0.042 ON JUL 21	0B ON MAR 1	40.6	1977
1978	11.3 AT 08:58 CST ON APR 12	7.76 B ON APR 8	0B ON MAR 1	3 700	1978
1979	8.22 AT 11:27 CST ON APR 28	8.08 ON APR 28	0B ON MAR 1	5 380	1979
1980	1.13 AT 08:24 CST ON MAY 2	1.02 ON MAY 2	0B ON MAR 1	366	1980
1981	---	0.119 ON MAY 18	0B ON MAR 19	322	1981
1982	12.0 AT 05:12 CST ON APR 20	8.48 ON APR 20	0B ON MAR 1	5 000	1982
1983	8.00 AT 18:40 CST ON APR 1	2.83 ON APR 2	0 ON JUL 1	3 530	1983
1984	0 AT 00:00 CST ON MAR 1	0 ON MAR 1	0 ON MAR 1	0	1984
1985	0.033 AT 15:48 CST ON OCT 5	0.032 ON OCT 5	0B ON MAR 1	13.0	1985
1986	---	2.80 ON APR 18	0 ON JUL 5	1 780	1986
1987	---	---	0B ON MAR 1	---	1987
				3 830	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SALINE CREEK NEAR NOKOMIS - STATION NO. 05JJ008

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1972	---	---	0.148	0.377	0.081	0.001	0	0	0	0	---	---	0.071	1972
1973	---	---	0.011	0.023	0.046	0.318	0.012	0	0	0	---	---	0.052	1973
1974	---	---	0	2.88	1.01	0.245	0.001	0.003	0.008	0.002	---	---	0.513	1974
1975	---	---	0	0.588	0.378	0.022	0.004	0.001	0.001	0.001	---	---	0.121	1975
1976	---	---	0	0.984	0.080	0.100	0.014	0.002	0.001	0.002	---	---	0.143	1976
1977	---	---	0	0.001	0.128	0.076	0	0	0	0	---	---	0.025	1977
1978	---	---	0.025	0.188	0.043	0.016	0.001	0	0.001	0.001	---	---	0.038	1978
1979	---	---	0	0.881	0.325	0.071	0	0	0	0	---	---	0.171	1979
1980	---	---	0	0.259	0.002	0	0	0	0	0	---	---	0.032	1980
1981	---	0	0	0	0	0.001	0	0	0	0.018	---	---	0.002	1981
1982	---	---	0	0.556	0.123	0.170	0.145	0.002	0	0	---	---	0.123	1982
1983	---	---	0	0.088	0.102	0.023	0.277	0.087	0	0	---	---	0.071	1983
1984	---	---	0.014	0.087	0.014	0.001	0	0	0	0	---	---	0.014	1984
1985	---	---	0	2.24	0.324	0.071	0.002	0	0	0	---	---	0.328	1985
1986	---	---	0.020	0.111	0.080	0	0.002	0	0	0.001	---	---	0.026	1986
1987	---	---	0.015	0.104	0.008	0	0	0	0	0	---	---	0.015	1987
1988	---	---	0.001	0.002	0	0	0	0	0	0	---	---	0	1988
MEAN	---	0	0.013	0.555	0.180	0.086	0.027	0.008	0.001	0.001	---	---	0.102	MEAN

LOCATION - LAT 51 24 58 N
LONG 105 05 10 W
DRAINAGE AREA, 850 km^2
NATURAL FLOW

SALINE CREEK NEAR NOKOMIS - STATION NO. 05JJ009

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1972	0.620 AT 02 33 CST ON APR 11	0.569 ON APR 11	05 ON MAR 1 *	1 510	1972
1973	0.789 AT 17 44 CST ON JUN 7	0.765 ON JUN 6	05 ON MAR 1	1 090	1973
1974	13.1 AT 00 02 CST ON APR 21 *	12.1 ON APR 21 *	05 ON MAR 1	10 900	1974
1975	1.87 B AT 12 07 CST ON APR 18	1.70 B ON APR 17	05 ON MAR 1	2 580	1975
1976	3.20 AT 01 32 CST ON APR 10	2.87 ON APR 9	05 ON MAR 1	3 030	1976
1977	0.606 AT 23 31 CST ON MAY 28	0.541 ON MAY 26	05 ON MAR 1	533	1977
1978	0.6038 AT 09 04 CST ON APR 4	0.4338 ON APR 4	05 ON MAR 1	736	1978
1979	4.80 B AT 08 36 CST ON APR 20	4.04 B ON APR 20	05 ON MAR 1	3 530	1979
1980	0.807 AT 21 40 CST ON APR 8	0.763 ON APR 8	05 ON MAR 1	578	1980
1981	0.087 AT 05 46 CST ON OCT 25	0.059 ON OCT 25	05 ON MAR 1	47.2	1981
1982	2.35 AT 09 24 CST ON APR 15	2.20 ON APR 15	05 ON MAR 1	2 610	1982
1983	0.902 AT 02 55 CST ON JUL 22	0.830 ON JUL 22	05 ON MAR 1	1 510	1983
1984	0.215 AT 02 39 CST ON APR 18	0.183 ON APR 17	05 ON MAR 1	305	1984
1985	5.72 AT 23 54 CST ON APR 5	5.37 B ON APR 5	05 ON MAR 1	6 880	1985
1986	0.307 AT 01 56 CST ON APR 5	0.288 ON APR 4	05 ON MAR 1	590	1986
1987	0.324 AT 04 20 CST ON APR 12	0.274 ON APR 12	05 ON MAR 1	322	1987
1988	0.0238 AT 15 48 CST ON APR 2	0.0178 ON APR 2	05 ON MAR 1	8.89	1988
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		2 170	MEAN

SANDY CREEK NEAR CARON - STATION NO. 05JG001

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1915	---	---	---	---	---	---	---	0.014	0.017	0.023	0.020	0.012	---	1915
1916	0.009	0.009	---	---	0.065	0.061	0.054	0.018	0.017	---	---	---	---	1916
1978	---	---	0.190	0.102	0.007	0	0	B	0	0	---	---	B.037	1978
1979	---	---	0.372	0.826	0.026	0	0	0	0	0	---	---	0.139	1979
1980	---	---	0.046	0.343	B	0	0	0	B	B	---	---	0.048	1980
1981	---	0	0	0	0	0	0	0	0	0	---	---	0	1981
1982	---	---	0	1.85	0.084	0.048	0	0	0	0	---	---	0.240	1982
1983	---	---	0.307	0.368	0.003	0	0	0	0	0	---	---	0.087	1983
1984	---	---	0	0	B	0	0	0	0	0	---	---	0	1984
1985	---	0	0.478	0.137	0	0	0	0	0	0	---	---	B.077	1985
1986	---	0.082	0.280	0	0.003	0	0	0	0	0	---	---	0.033	1986
1987	---	---	0.088	0.088	0	0	0	0	0	0	---	---	B.019	1987
1988	---	---	0	0	0	0	0	0	0	0	---	---	0	1988
MEAN	0.009	0.015	0.147	0.339	0.014	0.009	0.005	0.002	0.003	0.002	0.020	0.012	0.062	MEAN

LOCATION - LAT 50 27 09 N, LONG 106 01 45 W. DRAINAGE AREA, 678 km^2. NATURAL FLOW

REMARKS - RECORDS COLLECTED IN SE20-17-29-W3 IN 1915-17

SANDY CREEK NEAR CARON - STATION NO. 05JG001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1915	---	---	---	---	1915
1916	---	---	---	---	1916
1978	1.43 AT 01:45 CST ON MAR 28	1.15 ON MAR 28	05 ON MAR 1 *	783	1978
1979	5.58 AT 04:04 CST ON APR 19	5.01 ON APR 19	05 ON MAR 1	2 940	1979
1980	2.28 B AT 08:12 CST ON APR 1	2.08 B ON APR 1	05 ON MAR 1	1 010	1980
1981	---	0 ON MAR 1	0 ON MAR 1	0	1981
1982	10.9 AT 21:30 CST ON APR 14 *	10.5 ON APR 14 *	05 ON MAR 1	5 050	1982
1983	3.64 B AT 11:30 CST ON APR 1	3.47 B ON APR 1	05 ON MAR 1	1 640	1983
1984	0.005 AT 19:50 CST ON MAR 31	0.004 ON MAR 31	0 ON MAR 1	1.28	1984
1985	2.41 B AT 14:44 CST ON MAR 19	2.27 B ON MAR 19	05 ON MAR 1	1 840	1985
1986	1.65 AT 18:24 CST ON MAR 1	1.57 ON MAR 1	0 ON MAR 26	703	1986
1987	0.483 AT 14:35 CST ON APR 2	0.432 ON APR 2	05 ON MAR 1	403	1987
1988	---	0 ON MAR 1	0 ON MAR 1	0	1988
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		1 310	MEAN

SASKATCHEWAN RIVER ABOVE SIPANOK CHANNEL - STATION NO. 05KD005

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1954	---	---	---	---	---	2 040	1 490	---	---	---	---	---	---	1954
1955	---	---	---	---	1 130	1 450	1 260	667	---	---	---	---	---	1955
1956	---	---	---	---	---	1 410	1 050	---	---	---	---	---	---	1956
MEAN	---	---	---	---	1 130	1 630	1 270	667	---	---	---	---	---	MEAN

LOCATION - LAT 53 42 50 N, LONG 103 15 00 W. DRAINAGE AREA, 257 000 km^2. DATA CONTRIBUTED BY - PRAIRIE FARM REHABILITATION ADMINISTRATION

SASKATCHEWAN RIVER ABOVE SIPANOK CHANNEL - STATION NO. 05KD005

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1954	---	3 400 ON JUN 14 *	---	---	1954
1955	---	---	---	---	1955
1956	---	---	---	---	1956
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

SASKATCHEWAN RIVER AT NIPAWIN - STATION NO. 05KD001

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1945	---	---	---	---	---	---	---	---	407	378	143	173	---	1945
1946	140	130	205	873	450	1 300	1 200	536	484	336	238	131	535	1946
1947	128	107	248	881	1 110	1 280	1 030	572	511	486	343	302	772	1947
1948	180	122	126	839	3 280	3 040	1 440	1 080	588	---	---	---	---	1948
1951	---	---	---	---	---	---	1 800	988	1 110	877	---	---	---	1951
1952	---	---	---	1 850	892	1 380	1 730	1 030	543	387	---	---	---	1952
1953	---	---	---	---	1 060	2 820	1 880	927	867	302	---	---	---	1953
1954	---	---	182	406	1 180	2 370	1 810	1 080	2 160	824	---	---	1 220	1954
1955	---	---	115	1 020	1 290	1 400	1 220	820	338	283	---	---	772	1955
1956	---	---	131	1 100	826	1 280	1 040	728	471	300	---	---	743	1956
1957	---	---	167	843	988	878	675	420	388	288	---	---	582	1957
1958	---	---	148	828	801	1 210	1 220	858	414	280	---	---	681	1958
1959	---	---	144	478	418	1 180	1 290	882	390	378	---	---	618	1959
1960	---	---	141	885	587	847	1 070	630	288	218	---	---	580	1960
1961	---	---	122	451	328	1 220	592	800	341	212	---	---	480	1961
1962	---	---	157	888	488	755	784	578	345	208	---	---	481	1962
MEAN	143	120	158	818	978	1 800	1 220	740	589	385	238	188	588	MEAN

LOCATION - LAT 53 22 00 N, LONG 104 02 30 W DRAINAGE AREA, 387 000 km^2, REGULATED

SASKATCHEWAN RIVER AT NIPAWIN - STATION NO. 05KD001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1945	---	---	---	---	1945
1946	---	1 870 ON JUN 17	121 B ON MAR 3	13 400 000	1946
1947	---	2 180 ON JUN 20	114 B ON MAR 24	15 300 000	1947
1948	---	4 840 ON JUN 1	---	---	1948
1951	---	---	---	---	1951
1952	---	3 080 ON JUN 30	---	---	1952
1953	4 530 AT 08:45 ON JUN 18 *	4 670 ON JUN 18 *	---	---	1953
1954	4 080 AT 08:30 ON JUN 13	4 020 ON JUN 13	139 B ON MAR 28	25 800 000	1954
1955	---	1 7708 ON APR 12	96.38 ON MAR 5 *	16 300 000	1955
1956	---	2 5808 ON APR 23	119 B ON MAR 29	15 700 000	1956
1957	1 310 AT 08:00 ON MAY 30	1 300 ON MAY 30	112 B ON MAR 4	11 700 000	1957
1958	1 880 AT 14:00 ON JUL 7	1 880 ON JUL 7	121 B ON MAR 10	14 600 000	1958
1959	---	2 370 ON JUL 7	121 B ON MAR 1	13 000 000	1959
1960	---	1 500 ON JUL 11	98.08 ON MAR 23	12 300 000	1960
1961	---	1 870 ON JUN 8	98.68 ON MAR 8	10 200 000	1961
1962	---	1 0308 ON APR 23	143 B ON MAR 18	10 200 000	1962
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		14 500 000	MEAN

SASKATCHEWAN RIVER BELOW CUMBERLAND HOUSE - STATION NO. 05KH010

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1954	---	---	---	---	---	---	1 880	---	---	---	---	---	---	1954
1955	---	---	---	---	1 780	1 740	1 880	---	---	---	---	---	---	1955
MEAN	---	---	---	---	1 780	1 740	1 730	---	---	---	---	---	---	MEAN

LOCATION - LAT 53 53 00 N, LONG 101 58 00 W DRAINAGE AREA, 328 000 km^2 DATA CONTRIBUTED BY - PRAIRIE FARM REHABILITATION ADMINISTRATION

SASKATCHEWAN RIVER BELOW TOBIN LAKE - STATION NO. 05KD003

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1982	---	---	---	---	---	---	---	---	314	20.8	108	83.9	---	1982
1983	70.8	70.8	83.3	840	512	700	978	887	398	282	145	113	390	1983
1984	170	178	178	383	848	1 270	1 110	428	285	350	198	130	443	1984
1985	172	182	184	481	824	1 620	2 120	835	588	985	258	251	703	1985
1986	251	242	343	784	710	988	1 080	826	326	208	125	87.8	478	1986
1987	285	400	387	291	678	945	888	488	336	238	122	223	435	1987
1988	413	182	283	381	215	324	449	418	302	254	258	320	318	1988
1989	501	483	423	701	701	584	1 420	731	444	348	258	322	578	1989
1970	488	484	300	483	555	487	801	584	275	289	288	350	448	1970
1971	456	515	484	832	748	801	738	808	280	228	288	342	508	1971
1972	535	478	578	731	882	823	1 130	788	387	419	270	384	587	1972
1973	473	505	383	518	501	528	483	309	357	285	287	277	418	1973
1974	510	588	585	1 080	1 510	1 080	800	488	380	338	278	314	687	1974
1975	471	514	484	470	686	720	881	278	238	292	389	407	488	1975
1976	507	442	389	254	278	288	278	434	521	384	311	414	377	1976
1977	510	405	274	291	318	450	274	272	338	228	204	344	325	1977
1978	421	338	324	525	439	675	588	385	499	481	308	385	456	1978
1979	485	581	556	475	834	450	286	282	178	173	190	237	392	1979
1980	288	521	379	498	278	830	936	352	307	385	314	328	424	1980
1981	484	400	384	559	483	847	848	1 030	542	388	397	296	534	1981
1982	484	498	488	481	518	487	710	399	312	353	291	333	442	1982
1983	470	511	388	477	518	310	512	288	218	238	243	248	387	1983
1984	314	278	288	438	289	289	238	187	222	221	177	248	280	1984
1985	207	258	314	708	548	348	235	188	203	183	208	383	310	1985
1986	407	386	403	503	483	513	958	835	383	598	334	431	502	1986
1987	443	585	552	582	388	287	234	280	270	240	248	247	384	1987
1988	344	382	208	331	195	178	288	224	230	237	182	288	284	1988
MEAN	391	388	385	528	559	844	717	488	338	307	247	288	440	MEAN

LOCATION - LAT 53 42 10 N
LONG 103 17 50 W

DRAINAGE AREA, 288 000 km²
REGULATED

SASKATCHEWAN RIVER BELOW TOBIN LAKE - STATION NO. 05KD003

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1982	---	---	---	---	1982
1983	---	1 810E ON JUL 31	28.0 E ON NOV 7	12 300 000	1983
1984	---	2 290E ON JUN 28	57.8 E ON DEC 22	14 000 000	1984
1985	---	2 780E ON JUN 28	75.9 ON NOV 26	22 200 000	1985
1986	---	1 980 ON JUL 14	0 ON DEC 25 *	15 100 000	1986
1987	---	1 010 ON MAY 3	4.53 ON JAN 1	13 700 000	1987
1988	---	801 ON JUN 19	20.3 ON JUN 9	9 850 000	1988
1989	---	2 440E ON JUL 7	35.4 ON NOV 30	18 200 000	1989
1970	1 480 AT 10:28 CST ON JUL 20	1 010 ON JUL 13	23.8 ON APR 12	14 100 000	1970
1971	1 220 AT 14:11 CST ON FEB 5	928 ON JUN 25	148 ON OCT 10	18 000 000	1971
1972	2 030 AT 08:06 CST ON JUL 2	1 750 ON JUL 2	35.4 ON DEC 10	18 900 000	1972
1973	1 020 AT 17:23 CST ON JAN 10	858 ON SEP 22	30.6 ON SEP 18	13 200 000	1973
1974	3 940 AT 23:26 CST ON APR 24 *	3 450 ON APR 25 *	58.8 ON OCT 13	20 700 000	1974
1975	1 510 AT 08:15 CST ON JUN 26	1 340 ON JUN 26	28.8 ON AUG 31	14 700 000	1975
1976	---	886 ON SEP 14	36.8 ON JUL 31	11 900 000	1976
1977	1 140 AT 21:44 CST ON DEC 6	782 ON JAN 21	8.81 ON AUG 21	10 300 000	1977
1978	---	951E ON APR 24	98.8 ON NOV 25	14 400 000	1978
1979	---	1 000E ON MAY 6	10.0 E ON JUL 15	12 300 000	1979
1980	---	1 030 ON JUN 7	150 ON JUL 28	13 400 000	1980
1981	---	1 490E ON AUG 2	155 ON MAY 17	18 800 000	1981
1982	1 100 AT 18:34 CST ON JUL 22	878 ON JUL 14	157 ON NOV 15	13 800 000	1982
1983	---	848 ON APR 28	160 E ON SEP 25	11 800 000	1983
1984	---	887 ON APR 18	135 E ON AUG 28	6 210 000	1984
1985	1 440 AT 15:08 CST ON DEC 8	1 100 ON APR 23	140 ON AUG 11	9 760 000	1985
1986	2 480 AT 14:06 CST ON JUL 20	1 800 ON JUL 21	181 ON NOV 22	15 800 000	1986
1987	1 230 AT 09:39 CST ON MAR 27	784 ON APR 23	138 ON JUN 25	11 200 000	1987
1988	1 100 AT 22:01 CST ON DEC 22	865 ON FEB 4	98.1 ON MAY 23	8 030 000	1988
				13 800 000	MEAN

E - ESTIMATED

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SASKATCHEWAN RIVER NEAR MANITOBA BOUNDARY - STATION NO. 05KH008

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1969	432	475	415	811	955	848	1 280	928	883	513	314	267	648	1969
1970	---	---	---	---	---	888	---	---	---	378	---	---	---	1970
1971	---	558	---	---	1 040	840	887	798	432	348	417	349	---	1971
1972	---	423	481	822	1 350	915	1 250	1 010	882	520	341	280	---	1972
1973	473	520	503	881	913	---	---	---	---	461	328	387	---	1973
1974	493	545	814	948	2 230	1 850	1 220	898	783	885	517	434	915	1974
1975	494	834	804	837	1 080	983	840	855	416	401	411	341	823	1975
1976	442	544	543	768	431	333	383	447	468	480	288	318	452	1976
1977	467	498	382	519	459	579	409	362	436	352	238	270	410	1977
1978	389	374	383	499	872	898	740	528	859	842	388	323	530	1978
1979	---	---	---	531	1 380	891	481	377	337	307	274	227	---	1979
1980	381	492	492	898	558	723	771	438	394	502	401	234	498	1980
1981	413	445	416	752	545	865	750	1 070	873	486	412	238	591	1981
1982	368	438	411	888	783	573	708	571	379	379	311	271	485	1982
MEAN	425	486	473	698	987	800	815	682	502	488	386	305	572	MEAN

LOCATION - LAT 53 53 10 N DRAINAGE AREA, 328 000 km²
LONG 101 49 40 W REGULATED

SASKATCHEWAN RIVER OLD CHANNEL - STATION NO. 05KH009

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1970	---	---	---	---	---	---	---	---	12.9	7.92	---	---	---	1970
1971	---	---	---	---	---	80.3	78.2	58.0	9.14	4.95	10.5	30.4	---	1971
1972	38.9	30.9	---	---	---	---	---	---	13.8	17.7	---	38.7	---	1972
1973	38.2	37.0	30.4	50.1	44.9	59.8	42.8	14.8	27.0	27.9	23.7	48.8	38.9	1973
1974	27.4	47.0	51.2	140	282	164	93.9	31.8	19.4	13.2	4.14	12.0	71.4	1974
1976	49.7	38.2	30.6	24.7	8.90	5.75	4.88	20.3	18.4	14.0	8.86	27.8	20.5	1976
1977	28.5	18.7	6.75	8.20	13.4	30.0	11.1	8.28	11.8	4.88	2.12	8.53	12.7	1977
1978	10.3	3.37	---	---	---	---	58.8	14.5	21.8	19.3	8.31	15.0	---	1978
1979	22.7	28.9	17.4	10.1	82.3	22.3	9.72	9.48	1.17	0.877	1.09	8.80	18.0	1979
1980	11.4	23.9	14.7	23.1	8.85	89.2	55.1	14.1	7.22	11.2	10.8	27.7	24.5	1980
1981	31.3	10.7	8.28	12.4	28.5	88.2	50.8	123	26.2	9.48	8.80	23.3	38.0	1981
1982	24.7	18.8	15.1	18.7	22.3	15.7	58.7	14.3	5.67	10.6	7.28	18.0	19.2	1982
1983	19.4	38.5	11.7	14.8	27.1	8.39	27.7	4.01	0.982	1.08	2.05	9.62	13.5	1983
1984	5.74	2.30	2.29	11.7	4.81	4.60	3.45	0.472	0.718	1.84	1.40	2.69	3.47	1984
1985	1.34	0.921	3.82	68.4	31.0	10.9	4.14	0.203	0.554	0.232	1.35	11.4	10.1	1985
1986	12.8	11.7	8.54	14.3	20.0	27.3	99.3	43.7	11.4	28.9	14.2	20.1	28.3	1986
1987	28.7	39.2	35.0	26.9	11.9	8.88	3.80	3.85	4.71	3.14	2.42	2.84	13.8	1987
1988	5.89	7.81	1.84	5.89	1.80	1.26	7.00	3.12	3.70	2.48	1.40	4.41	3.81	1988
MEAN	22.3	22.3	17.0	28.7	40.3	41.4	37.9	22.7	10.6	9.95	8.78	18.2	22.2	MEAN

LOCATION - LAT 53 48 50 N
LONG 102 56 20 W REGULATED

SASKATCHEWAN RIVER OLD CHANNEL - STATION NO. 05KH009

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1970	---	---	---	---	1970
1971	---	---	---	---	1971
1972	---	---	---	---	1972
1973	170 AT 04:18 CST ON APR 28	148 ON APR 28	1.14 ON AUG 10	1 160 000	1973
1974	823 AT 12:28 CST ON APR 25 *	666 ON APR 26 *	1.23 ON OCT 14	2 250 000	1974
1976	---	104 RB ON DEC 30	0.059R ON AUG 3	653 000	1976
1977	105 AT 03:18 CST ON JUN 7	75.3 ON JUN 7	0.018B ON MAR 31	401 000	1977
1978	---	---	0 B ON JAN 1 *	---	1978
1979	136 B AT 12:24 CST ON MAY 8	131 B ON MAY 8	0 B ON APR 14	566 000	1979
1980	131 AT 07:28 CST ON JUL 7	128 ON JUL 7	0.201B ON JAN 1	774 000	1980
1981	230 AT 02:49 CST ON AUG 10	214 ON AUG 3	0.431B ON OCT 28	1 130 000	1981
1982	128 AT 04:28 CST ON JUL 14	120 ON JUL 14	0.780 ON SEP 20	604 000	1982
1983	102 B AT 03:07 CST ON APR 28	88.4B ON APR 28	0.021 ON SEP 12	428 000	1983
1984	92.5 AT 23:00 CST ON APR 18	83.5B ON APR 18	0.039B ON FEB 23	110 000	1984
1985	159 AT 15:55 CST ON APR 23	156 ON APR 23	0.015B ON FEB 21	319 000	1985
1986	337 AT 06:20 CST ON JUL 22	325 ON JUL 22	0.713B ON APR 2	830 000	1986
1987	93.2B AT 01:56 CST ON FEB 26	84.0B ON FEB 27	0.035 ON AUG 9	439 000	1987
1988	50.2 AT 01:51 CST ON JUL 18	33.4B ON FEB 3	0.007B ON DEC 8	120 000	1988
				698 000	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD
R - REVISED SINCE JAN 01 1987

SASKATOON S.E. PROJECT DIVERSION TO LITTLE MANITOU LAKE - STATION NO. 05JJ006

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1968	---	---	---	---	0	0	---	---	---	0.227	0	---	---	1968
1969	---	---	---	---	0	0	0	0.061	0.807	0.312	0	---	---	1969
1970	---	---	---	---	---	---	---	---	---	---	---	---	---	1970
1971	---	---	0	0	0	0.181	0.152	0.032	0	0	---	---	0.047	1971
1972	---	---	0	0.248	0	0	0	0	0.150	0.027	---	---	0.052	1972
1973	---	---	0	0.090	0.042	0.048	0	0.032	0.057	0.007	---	---	0.034	1973
1974	---	---	---	---	0.038	0.054	0.058	0.061	0.050	0.021	---	---	---	1974
1975	---	---	---	---	---	0.008	---	---	---	---	---	---	---	1975
1976	---	---	---	---	---	0.012	0.029	0.041	---	---	---	---	---	1976
1977	---	---	---	---	0.082	0.028	0	0	0.028	---	---	---	---	1977
1978	---	---	0	0	0.008	0.030	0.058	0.060	0.038	0	---	---	0.031	1978
1979	---	---	0	0	0	0	0	0	0	0	---	---	0	1979
1980	---	---	0	0	0	0	0	0	0	0	---	---	0	1980
1981	---	---	0.352	0.348	0	0.040	0.007	0	0	0	---	---	0.093	1981
1982	---	---	0	0	0.081	0.067	0	0	0	0	---	---	0.015	1982
1983	---	---	0.283	0.827	0	0	0	0	0	0	---	---	0.102	1983
1984	---	---	0.270	0.398	0.057	0.114	0	0	0.188	0.037	---	---	0.128	1984
MEAN	---	---	0.092	0.181	0.018	0.037	0.024	0.022	0.108	0.049	0	---	0.050	MEAN

LOCATION - LAT 51 45 21 N
LONG 105 38 58 W REGULATED

DATA CONTRIBUTED BY -
SASKATCHEWAN DEPARTMENT OF THE ENVIRONMENT

SASKATOON S.E. PROJECT DIVERSION TO LITTLE MANITOU LAKE - STATION NO. 05JJ006

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1968	---	---	0 ON MAY 1 *	---	1968
1969	---	1.32 ON OCT 3	0 ON MAY 1	---	1969
1970	---	---	0 ON SEP 8	---	1970
1971	---	0.874 ON JUL 24	0 ON MAR 1	988	1971
1972	---	1.04 ON APR 21	0 ON MAR 1	1 190	1972
1973	---	0.731 ON APR 18	0E ON MAR 1	718	1973
1974	---	0.547 ON MAY 14	0 ON MAY 1	---	1974
1975	---	---	0 ON MAY 19	---	1975
1976	---	0.227E ON AUG 10	0 ON JUN 1	---	1976
1977	---	0.227E ON JUN 10	0 ON MAY 1	---	1977
1978	---	0.623 ON AUG 29	0 ON MAR 1	648	1978
1979	---	0 ON MAR 1	0 ON MAR 1	0	1979
1980	---	0 ON MAR 1	0 ON MAR 1	0	1980
1981	---	0.878 ON APR 2	0 ON MAR 1	1 870	1981
1982	---	0.177 ON JUN 22	0 ON MAR 1	311	1982
1983	---	1.04 ON APR 2	0 ON MAR 1	2 150	1983
1984	---	1.28 ON APR 9 *	0 ON MAR 1	2 740	1984
				1 050	MEAN

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

E - ESTIMATED

SASKATOON S.E. PROJECT EAST MAIN CANAL BELOW BLACKSTRAP RESERVOIR - STATION NO. 05HE005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1968	---	---	---	---	---	2.18	0.002	1.48	2.18	1.81	---	---	---	1968
1969	---	---	---	---	0	0.307	0.418	0.892	2.18	0.002	---	---	---	1969
1970	---	---	0	0	0	0.076	0.651	0.873	1.33	0.804	---	---	0.302	1970
1971	---	---	0	0	0.314	0.004	0.170	1.84	0	0	---	---	0.287	1971
1972	---	---	0	0	0.001	0	0	0.410	2.18	0.808	---	---	0.422	1972
1973	---	---	0	0	0	0.338	2.00	1.82	1.55	0.353	---	---	0.734	1973
1974	---	---	0	0	0.131	0.574	0.374	0.748	1.70	0.197	---	---	0.482	1974
1975	---	---	---	---	0	0	0	0.503	1.42	0.816	---	---	---	1975
1976	---	---	0	0.278	0.183	0.438	0.482	0.700	0.558	0	---	---	0.328	1976
1977	---	---	0	0	0.513	0.813	0	0.488	1.94	0.309	---	---	0.513	1977
1978	---	---	0	0	0	0.938	0.893	0.981	1.10	0.478	---	---	0.522	1978
1979	---	---	0	0.001	0	0	0	0.110	1.19	0.281	---	---	0.185	1979
1980	---	---	0	0	0	0.150	0.100	0.728	2.00	0.028	---	---	0.371	1980
1981	---	---	0	0	0.288	1.23	1.05	0.784	1.20	0.386	---	---	0.608	1981
1982	---	---	0	0	0.492	0.282	0.298	0.238	0.843	0.120	---	---	0.281	1982
1983	---	---	0	0	0.318	1.83	0.598	0.264	0	0	---	---	0.347	1983
1984	---	---	0	0	1.17	1.82	0.837	0.840	2.27	0.473	---	---	0.806	1984
1985	---	---	0	0	0.058	0.262	0.777	0.438	0.178	0	---	---	0.217	1985
MEAN	---	---	0	0.018	0.201	0.625	0.487	0.713	1.32	0.319	---	---	0.431	MEAN

LOCATION - LAT 51 51 17 N
LONG 105 21 18 W REGULATED SINCE 1967

SASKATOON S.E. PROJECT EAST MAIN CANAL BELOW BLACKSTRAP RESERVOIR - STATION NO. 05HG008

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1968	---				
1969	---	4.30 ON JUN 11 *	0 ON JUL 3 *	---	1968
		2.76 ON SEP 6	0 ON MAY 1	---	1969
1970	---				
1971	---	1.88 ON SEP 24	0 ON MAR 1	5 400	1970
1972	---	1.76 ON AUG 11	0B ON MAR 1	5 440	1971
1973	---	3.02 ON SEP 21	0B ON MAR 1	8 830	1972
1974	---	3.40 ON AUG 18	0B ON MAR 1	15 500	1973
		2.06 ON SEP 11	0B ON MAR 1	8 780	1974
1975	---				
1976	---	2.10 ON SEP 10	0E ON MAY 1	---	1975
1977	---	1.63 ON SEP 11	0 ON MAR 1	5 810	1976
1978	---	2.55 ON MAY 28	0 ON MAR 1	10 900	1977
1979	---	1.89 ON JUN 21	0E ON MAR 1	11 000	1978
		2.14 ON SEP 27	0E ON MAR 1	4 140	1979
1980	---				
1981	---	2.46 ON SEP 10	0 ON MAR 1	7 880	1980
1982	---	1.72 ON SEP 19	0 ON MAR 1	12 800	1981
1983	---	1.52 ON SEP 17	0E ON MAR 1	5 850	1982
1984	---	2.47 ON JUN 12	0 ON MAR 1	7 350	1983
		2.87 ON SEP 22	0 ON MAR 1	19 200	1984
1985	---				
		1.22 ON JUL 10	0 ON MAR 1	4 800	1985
				8 120	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SASKATOON S.E. PROJECT EAST MAIN CANAL BELOW BRIGHTWATER RESERVOIR - STATION NO. 05HG004

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1967	---	---	---	---	---	---	2.85	5.38	5.70	5.98	5.18	---	---	1967
1968	---	---	---	---	---	---	4.85	2.84	0.803	---	---	---	---	1968
1969	---	---	---	---	0.880	1.00	0.500	2.38	1.74	0	---	---	---	1969
1970	---	---	0	0	0	0	0	0	1.68	0.589	---	---	0.306	1970
1971	---	---	0	0	0.445	0	0.133	1.47	0	0	---	---	0.288	1971
1972	---	---	0	0	0	0	0.481	2.84	3.03	0.438	---	---	0.846	1972
1973	---	---	0	0	0.123	0.882	2.84	1.88	2.06	0.618	---	---	1.04	1973
1974	---	---	0	0	0	0	0	1.08	1.61	0.013	---	---	0.330	1974
1975	---	---	---	---	0.415	0.428	0.312	1.50	1.53	0.486	---	---	---	1975
1976	---	---	0	0	0.011	0.484	0.808	1.80	0	0	---	---	0.383	1976
1977	---	---	0	0	0	1.85	0.711	1.48	2.85	0.051	---	---	0.821	1977
1978	---	---	0	0	0.388	1.71	0.883	1.81	1.97	0	---	---	0.826	1978
			0	0	0	0.133	0.118	0.158	1.77	0.307	---	---	0.308	1979
1980	---	---	0	0	0.788	1.01	0.344	1.45	2.97	0.078	---	---	0.824	1980
1981	---	---	0	0	0.778	1.88	1.23	1.46	2.88	0	---	---	1.02	1981
1982	---	---	0	0	1.34	0.348	0.448	0.312	1.86	0	---	---	0.488	1982
1983	---	---	0	0	0.844	1.12	2.36	1.13	0.328	0.113	---	---	0.714	1983
1984	---	---	0	0	1.48	3.12	1.02	2.87	4.38	0.223	---	---	1.80	1984
1985	---	---	0	0	0	1.08	0.838	1.40	1.88	0	---	---	0.810	1985
MEAN	---	---	0	0	0.413	0.811	1.08	1.83	2.08	0.550	5.18	---	0.880	MEAN

LOCATION - LAT 51 37 13 N
LONG 106 32 36 W
REGULATED

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1967

SASKATOON S.E. PROJECT EAST MAIN CANAL BELOW BRIGHTWATER RESERVOIR - STATION NO. 05HG004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1967	---	7.45 ON JUL 31 *	0 ON JUL 1 *	---	1967
1968	---	6.74 ON AUG 1	0 ON JUL 1	---	1968
1969	---	4.08A ON APR 28	0 ON MAY 7	---	1969
1970	---	4.18 ON SEP 28	0 ON MAR 1	8 480	1970
1971	---	3.11 ON MAY 17	0B ON MAR 1	8 480	1971
1972	---	3.45 ON AUG 17	0B ON MAR 1	17 800	1972
1973	---	3.45 ON JUL 15	0B ON MAR 1	22 000	1973
1974	---	3.00 ON AUG 2	0 ON MAR 1	8 780	1974
1975	---	2.78 ON JUN 1	0E ON MAY 1	---	1975
1976	---	2.83 ON AUG 6	0 ON MAR 1	7 870	1976
1977	---	3.74 ON SEP 3	0 ON MAR 1	18 800	1977
1978	---	3.03 ON SEP 15	0B ON MAR 1	17 800	1978
1979	---	3.88 ON SEP 15	0 ON MAR 1	8 480	1979
1980	---	3.24 ON SEP 29	0 ON MAR 1	17 400	1980
1981	---	3.88 ON SEP 29	0 ON MAR 1	21 800	1981
1982	---	4.08 ON MAY 18	0 ON MAR 1	10 800	1982
1983	---	4.71 ON JUL 11	0 ON MAR 1	15 100	1983
1984	---	4.83 ON SEP 15	0 ON MAR 1	21 800	1984
1985	---	3.33 ON AUG 31	0 ON MAR 1	12 800	1985
				14 600	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SASKATOON S.E. PROJECT EAST MAIN CANAL BELOW BRODERICK RESERVOIR - STATION NO. 05HG019

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1967	---	---	---	---	---	---	---	5.48	7.41	7.53	---	---	---	1967
1968	---	---	---	---	0	0.025	1.65	2.49	0.068	0	0	---	---	1968
1971	---	---	0	0	0.008	0.007	0.329	1.50	0.024	0.016	---	---	0.238	1971
1972	---	---	0	0.119	0.257	0.810	0.171	2.81	2.80	0.126	---	---	0.908	1972
1973	---	---	0	2.48	1.04	1.58	2.02	1.88	2.55	0	---	---	1.43	1973
1974	---	---	---	---	---	0.007	0.178	0.008	---	---	---	---	---	1974
1975	---	---	---	---	---	---	---	1.47	1.45	0.530	---	---	---	1975
1976	---	---	0	0	0.001	0.005	0.038	0.023	0	0.008	---	---	0.010	1976
1977	---	---	0	0	1.65	2.03	1.09	2.20	2.83	0.008	---	---	1.20	1977
1978	---	---	0	0	2.28	1.98	1.07	2.19	2.08	0.068	---	---	1.20	1978
1979	---	---	0	0	0	0.361	0.624	0.711	1.48	0.094	---	---	0.407	1979
1980	---	---	0	0	2.03	1.50	1.13	2.05	3.82	0.007	---	---	1.31	1980
1981	---	---	0	0	4.00	1.65	1.76	2.25	3.65	0.026	---	---	1.69	1981
1982	---	---	0	0.001	3.04	0.723	1.26	1.01	1.83	0.038	---	---	0.885	1982
1983	---	---	0	0.738	2.63	2.31	1.46	0.988	0.873	0.007	---	---	1.09	1983
1984	---	---	0	1.66	2.36	3.28	2.48	4.12	4.70	0.253	---	---	2.35	1984
1985	---	---	0	0	0.163	1.47	2.73	2.26	1.92	0.001	---	---	1.07	1985
1986	---	---	0	0	0.952	2.56	---	2.13	1.13	0.003	---	---	---	1986
1987	---	---	0	0	2.43	3.76	2.06	1.30	1.11	0.006	---	---	1.44	1987
1988	---	---	0	0.860	4.85	3.37	3.83	5.09	4.23	0.015	---	---	2.72	1988
MEAN	---	---	0	0.364	1.82	1.64	1.43	2.15	2.28	0.480	0	---	1.20	MEAN

LOCATION - LAT 51 29 01 N
LONG 108 50 53 W REGULATED

SASKATOON S.E. PROJECT EAST MAIN CANAL BELOW BRODERICK RESERVOIR - STATION NO. 05HG019

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1967	---	--- *	---	---	1967
1968	---	3.89 ON JUL 23	0 ON MAY 1 *	---	1968
1971	---	4.25 ON AUG 7	0 ON MAR 1	5 040	1971
1972	---	3.06 ON AUG 28	0 ON MAR 1	19 200	1972
1973	---	3.09 ON APR 18	0E ON MAR 1	30 300	1973
1974	---	0.816 ON JUL 23	0 ON JUN 1	---	1974
1975	---	2.29 ON AUG 18	0 ON AUG 3	---	1975
1976	---	0.196 ON JUL 20	0 ON MAR 1	204	1976
1977	---	4.28 ON JUN 5	0 ON MAR 1	25 300	1977
1978	---	4.36 ON MAY 22	0E ON MAR 1	25 500	1978
1979	---	3.27 ON SEP 28	0 ON MAR 1	5 610	1979
1980	---	4.12 ON SEP 28	0 ON MAR 1	27 800	1980
1981	---	5.09 ON SEP 29 *	0 ON MAR 1	35 800	1981
1982	---	4.77 ON SEP 15	0E ON MAR 1	20 400	1982
1983	---	4.25 B ON MAY 9	0 ON MAR 1	23 100	1983
1984	---	5.18 ON SEP 14	0 ON MAR 1	49 700	1984
1985	---	3.81 ON JUL 11	0 ON MAR 1	22 700	1985
1986	---	---	0 ON MAR 1	---	1986
1987	---	4.47 E ON JUN 28	0 ON MAR 1	30 800	1987
1988	6.04 AT 11:59 CST ON AUG 17 *	5.83 ON AUG 17	0 ON MAR 1	57 500	1988
				25 400	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD
E - ESTIMATED

SASKATOON S.E. PROJECT EAST MAIN CANAL BELOW ZELMA RESERVOIR - STATION NO. 05HG008

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1968	---	---	---	---	---	---	0.088	0.808	1.20	1.02	---	---	---	1968
1969	---	---	---	---	0	0	0	0.072	1.20	0.378	---	---	---	1969
1970	---	---	0	0	0	0	0	0	0.695	0.084	---	---	0.088	1970
1971	---	---	0	0	0	0.298	0.328	0.301	0	0	---	---	0.118	1971
1972	---	---	0	0.247	0.004	0.002	0.038	0.088	0.804	0.148	---	---	0.141	1972
1973	---	---	0	0.437	0.705	0.442	0.002	0.888	0.885	0.182	---	---	0.388	1973
1974	---	---	0	0	0.404	0.817	0.590	0.807	0.778	0.183	---	---	0.410	1974
1975	---	---	---	---	0.440	0.588	0.018	0.084	0.082	0.021	---	---	---	1975
1976	---	---	0	0	0.001	0.535	0.488	0.208	0.084	0	---	---	0.158	1976
1977	---	---	0	0	0.888	0.227	0	0.041	0.450	0	---	---	0.173	1977
1978	---	---	0	0.011	0.457	0.587	0.588	0.878	0.080	0.001	---	---	0.285	1978
1979	---	---	0	0.001	0.001	0.001	0.001	0.053	0.084	0.003	---	---	0.018	1979
1980	---	---	0	0	0	0	0.048	0.088	0	0	---	---	0.017	1980
1981	---	---	0.577	0.478	0	0.817	0.180	0	0	0.002	---	---	0.232	1981
1982	---	---	0	0	0.511	0.877	0.001	0	0.001	0.001	---	---	0.148	1982
1983	---	---	0.434	0.875	0.002	0	0.008	0	0	0	---	---	0.128	1983
1984	---	---	0.414	0.488	0.205	0.816	0	0	0.878	0.100	---	---	0.308	1984
1985	---	---	0	0.001	0.008	0.001	0.014	0.148	0	0	---	---	0.032	1985
MEAN	---	---	0.088	0.148	0.200	0.300	0.138	0.224	0.374	0.113	---	---	0.177	MEAN

LOCATION - LAT 51 48 23 N
LONG 108 46 23 W REGULATED

SASKATOON S.E. PROJECT EAST MAIN CANAL BELOW ZELMA RESERVOIR - STATION NO. 05HG009

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1968	---	1.75 ON AUG 21	0 ON JUL 1 *	---	1968
1969	---	1.42 ON OCT 3	0 ON MAY 1	---	1969
1970	---	1.07 ON SEP 27	0 ON MAR 1	2 020	1970
1971	---	0.836 ON AUG 6	0E ON MAR 1	2 490	1971
1972	---	1.14 ON APR 25	0E ON MAR 1	2 980	1972
1973	---	1.25 ON JUN 14	0E ON MAR 1	6 490	1973
1974	---	1.13 ON AUG 18	0E ON MAR 1	6 870	1974
1975	---	1.01 ON MAY 15	0E ON MAY 1	---	1975
1976	---	1.29 ON JUN 4	0 ON MAR 1	3 240	1976
1977	---	0.888 ON SEP 13	0 ON MAR 1	3 850	1977
1978	---	0.880 ON AUG 11	0E ON MAR 1	6 250	1978
1979	---	0.148 ON SEP 11	0E ON MAR 1	323	1979
1980	---	0.197 ON AUG 8	0 ON MAR 1	358	1980
1981	---	1.54 ON MAR 28	0E ON MAR 1	4 810	1981
1982	---	0.998 ON JUN 24	0E ON MAR 1	3 130	1982
1983	---	1.13 ON APR 13	0E ON MAR 1	2 870	1983
1984	---	1.77 ON APR 6 *	0E ON MAR 1	6 540	1984
1985	---	0.414 ON AUG 10	0E ON MAR 1	458	1985
				3 750	MEAN

E - ESTIMATED

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SASKATOON S.E. PROJECT MAIN CANAL ABOVE BLACKSTRAP RESERVOIR - STATION NO. 05HG005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1967	---	---	---	---	---	---	2.57	5.05	5.84	5.72	5.93	---	---	1967
1968	---	---	---	---	0	0	4.28	2.88	0.773	0	0	---	---	1968
1969	---	---	---	1.22	0.677	1.01	0.501	2.27	1.72	0	0	---	---	1969
1970	---	---	0	0	0	0	0	0	1.85	0.511	---	---	0.284	1970
1971	---	---	0	0	0.310	0	0.128	1.58	0.009	0	---	---	0.257	1971
1972	---	---	0	0	0	0	0.488	2.32	2.75	0.571	---	---	0.788	1972
1973	---	---	0	0	0.148	0.472	2.45	1.84	2.01	0.883	---	---	0.824	1973
1974	---	---	---	---	0	0	0	0.872	1.51	0.048	---	---	---	1974
1975	---	---	---	---	0.308	0.464	0.185	1.53	1.80	0.531	---	---	---	1975
1976	---	---	---	0.231	0.033	0.820	0.807	2.01	---	---	---	---	---	1976
1977	---	---	---	---	---	---	---	---	2.82	---	---	---	---	1977
1978	---	---	0	0	0.248	1.48	0.884	1.58	1.98	0	---	---	0.740	1978
1979	---	---	0	0	0	0.087	0.089	0.185	1.48	0.351	---	---	0.288	1979
1980	---	---	0	0	0.775	0.888	0.243	1.17	3.03	0.130	---	---	0.783	1980
1981	---	---	0	0	0.887	1.59	1.01	1.43	2.89	0.081	0	---	0.842	1981
1982	---	---	0	0	1.23	0.344	0.289	0.148	1.58	0.602	---	---	0.448	1982
1983	---	---	0	0	0.574	1.03	2.26	1.08	0.305	0.117	---	---	0.871	1983
1984	---	---	0	0	1.51	1.80	0.711	2.25	3.75	0.303	---	---	1.28	1984
MEAN	---	---	0	0.111	0.400	0.711	0.949	1.89	2.13	0.837	1.48	---	0.888	MEAN

LOCATION - LAT 51 40 50 N
LONG 106 25 35 W REGULATED

DATA CONTRIBUTED BY - SASKATCHEWAN DEPARTMENT OF THE ENVIRONMENT

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1967

SASKATOON S.E. PROJECT MAIN CANAL ABOVE BLACKSTRAP RESERVOIR - STATION NO. 05HG005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1967	---	7.22 ON SEP 11 *	0 ON JUL 1 *	---	1967
1968	---	6.48 ON JUL 21	0 ON MAY 1	---	1968
1969	---	3.77 ON APR 24	0 ON APR 1	---	1969
1970	---	3.11 ON OCT 1	0 ON MAR 1	5 380	1970
1971	---	3.24 ON AUG 10	0 ON MAR 1	5 430	1971
1972	---	3.17 ON SEP 28	0 ON MAR 1	15 200	1972
1973	---	3.03 ON JUL 15	0E ON MAR 1	19 600	1973
1974	---	3.41 ON SEP 7	0 ON MAY 1	---	1974
1975	---	2.78 ON AUG 22	0E ON MAY 1	---	1975
1976	---	7.08E ON JUN 6	0E ON APR 1	---	1976
1977	---	3.77 ON JUN 22	---	---	1977
1978	---	3.11 ON SEP 15	0 ON MAR 1	15 700	1978
1979	---	3.34 ON SEP 15	0 ON MAR 1	5 880	1979
1980	---	3.61 ON SEP 15	0 ON MAR 1	15 800	1980
1981	---	4.88 ON SEP 30	0 ON MAR 1	20 000	1981
1982	---	4.17 ON MAY 15	0 ON MAR 1	5 430	1982
1983	---	4.84 ON JUL 11	0 ON MAR 1	14 200	1983
1984	---	4.13 ON SEP 13	0 ON MAR 1	27 200	1984
				14 100	MEAN

E - ESTIMATED

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SASKATOON S.E. PROJECT MAIN CANAL ABOVE BRIGHTWATER RESERVOIR - STATION NO. 05HG007

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1967	---	---	---	---	---	---	---	5.67	7.38	7.42	---	---	---	1967
1968	---	---	---	---	0	0	3.16	2.24	0	0	0	---	---	1968
1969	---	---	---	---	0	0	1.49	2.52	0.144	---	---	---	---	1969
1970	0	0	0	0	0	0	0	0	0	0	0	0	0	1970
1971	---	---	0	0	0	0	0.221	1.37	0	0	---	---	0.201	1971
1972	---	---	0	0	0	0	0	2.62	2.63	0.214	---	---	0.704	1972
1973	---	---	0	2.31	1.03	1.38	1.71	1.55	2.33	1.15	---	---	1.42	1973
1974	---	---	---	0	0	0	0	0	0	0	---	---	---	1974
1975	---	---	---	---	2.11	0.230	0	1.61	1.95	0.713	---	---	---	1975
1976	---	---	---	---	0	0	0	0	0	0	---	---	---	1976
1977	---	---	---	---	1.47	2.04	0.861	2.01	2.63	0.006	---	---	---	1977
1978	---	---	0	0	2.36	1.80	0.709	1.81	2.15	0.029	---	---	1.09	1978
1979	---	---	0	0	0	0.218	0.388	0.885	1.28	0.172	---	---	0.323	1979
1980	---	---	0	0	1.80	1.02	0.888	1.55	3.81	0.348	---	---	1.10	1980
1981	---	---	0	0	3.38	1.59	1.01	1.81	2.99	0.113	0	---	1.38	1981
1982	---	---	0	0	2.82	0.557	0.652	0.856	1.53	0.103	---	---	0.615	1982
1983	---	---	0	0.675	2.40	1.68	1.23	0.892	0.585	0.026	---	---	0.803	1983
1984	---	---	0	1.80	1.81	2.43	1.41	3.55	4.28	0.302	---	---	1.81	1984
MEAN	0	0	0	0.374	1.11	0.760	0.808	1.78	1.87	0.823	0	0	0.692	MEAN

LOCATION - LAT 51 38 15 N
LONG 105 30 30 W REGULATED

DATA CONTRIBUTED BY -
SASKATCHEWAN DEPARTMENT OF THE ENVIRONMENT

SASKATOON S.E. PROJECT MAIN CANAL ABOVE BRIGHTWATER RESERVOIR - STATION NO. 05HG007

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1967	---	12.2 ON JUL 31 *	---	---	1967
1968	---	4.76 ON JUL 12	0 ON MAY 1 *	---	1968
1969	---	3.03 ON JUL 16	0 ON MAY 1	---	1969
1970	---	0 ON MAR 1	0 ON MAR 1	0	1970
1971	---	4.11 ON AUG 7	0 ON MAR 1	4 280	1971
1972	---	3.09 ON SEP 28	0 ON MAR 1	14 900	1972
1973	---	2.97 ON APR 14	0E ON MAR 1	30 200	1973
1974	---	0 ON APR 1	0 ON APR 1	---	1974
1975	---	2.86 ON MAY 31	0 ON MAY 1	---	1975
1976	---	0 ON MAY 1	0 ON MAY 1	---	1976
1977	---	3.98 ON JUN 8	0 ON MAY 1	---	1977
1978	---	4.38 ON MAY 12	0 ON MAR 1	23 100	1978
1979	---	2.58 ON SEP 27	0B ON MAR 1	8 840	1979
1980	---	4.62 ON SEP 30	0 ON MAR 1	23 200	1980
1981	---	5.20 ON SEP 30	0 ON MAR 1	28 400	1981
1982	---	4.62 ON SEP 16	0 ON MAR 1	17 200	1982
1983	---	4.22 ON APR 28	0 ON MAR 1	18 900	1983
1984	---	4.80 ON SEP 19	0 ON MAR 1	40 400	1984
				18 900	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SASKATOON S.E. PROJECT MAIN CANAL ABOVE ZELMA RESERVOIR - STATION NO. 05HE011

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1968	---	---	---	0.078	0.484	1.84	0.017	1.38	1.89	1.84	0	---	---	1968
1969	---	---	---	---	0	0	0	0.188	2.82	0.883	0	---	---	1969
1970	---	---	0	0	0	0	0	0.454	1.19	0.029	---	---	0.204	1970
1971	---	---	0	0	0.084	0	0.088	1.12	0.018	0	---	---	0.188	1971
1972	---	---	0	0	0	0	0	0	1.18	0.885	---	---	0.228	1972
1973	---	---	0	0	0	0	1.88	0.980	0.975	0.482	---	---	0.818	1973
1974	---	---	---	---	---	0.341	---	---	1.40	0.322	---	---	---	1974
1975	---	---	---	---	---	---	---	0.388	1.04	0.328	---	---	---	1975
1976	---	---	---	---	---	0.237	0.443	0.438	0.218	---	---	---	---	1976
1977	---	---	---	---	0.317	0.384	0	0.217	1.81	---	---	---	---	1977
1978	---	---	0	0	0	0.892	0.878	0.882	0.787	0.418	---	---	0.388	1978
1979	---	---	0	0	0	0	0	0	0.383	0.318	---	---	0.084	1979
1980	---	---	0	0	0	0	0	0	1.15	0.131	---	---	0.158	1980
1981	---	---	0	0	0.322	1.09	0.485	0.218	0.872	0.437	---	---	0.388	1981
1982	---	---	0	0	0.183	0.117	0.137	0.110	0.451	0.180	---	---	0.148	1982
1983	---	---	0	0	0.272	1.38	0.221	0.083	0	0	---	---	0.238	1983
1984	---	---	0	0	0.782	1.44	0.438	0.132	1.04	0.884	---	---	0.548	1984
MEAN	---	---	0	0.008	0.177	0.484	0.278	0.388	0.838	0.333	0	---	0.278	MEAN

LOCATION - LAT 51 50 24 N
LONG 105 51 22 W REGULATED

DATA CONTRIBUTED BY -
SASKATCHEWAN DEPARTMENT OF THE ENVIRONMENT

SASKATOON S.E. PROJECT MAIN CANAL ABOVE ZELMA RESERVOIR - STATION NO. 05HG011

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1968	---	3.03 ON JUN 8 *	0 ON APR 1 *	---	1968
1969	---	2.38 ON SEP 22	0 ON MAY 1	---	1969
1970	---	1.68 ON SEP 19	0 ON MAR 1	4 310	1970
1971	---	1.27 ON AUG 21	0 ON MAR 1	3 550	1971
1972	---	1.68E ON SEP 13	0 ON MAR 1	4 840	1972
1973	---	2.72 ON SEP 29	0E ON MAR 1	10 900	1973
1974	---	---	0E ON JUN 29	---	1974
1975	---	1.67 ON AUG 27	0E ON AUG 1	---	1975
1976	---	1.01 ON SEP 13	0E ON JUN 1	---	1976
1977	---	1.97 ON SEP 26	0 ON MAY 1	---	1977
1978	---	1.63 ON JUN 22	0 ON MAR 1	8 200	1978
1979	---	1.60 ON OCT 6	0 ON MAR 1	1 790	1979
1980	---	1.68 ON SEP 16	0 ON MAR 1	3 340	1980
1981	---	1.37 ON SEP 30	0 ON MAR 1	8 430	1981
1982	---	1.16 ON SEP 29	0 ON MAR 1	3 130	1982
1983	---	2.21 ON JUN 13	0 ON MAR 1	4 880	1983
1984	---	2.38 ON SEP 25	0 ON MAR 1	11 800	1984
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		5 810	MEAN

E - ESTIMATED

SASKATOON S.E. PROJECT MAIN CANAL AT INLET TO DELLWOOD RESERVOIR - STATION NO. 05JJ007

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1968	---	---	---	---	0	0	0	0	0.491	0.832	0	---	---	1968
1969	0	0	0	0	0	0	0	0	0	0	0	0	0	1969
1970	---	---	---	---	---	---	---	---	0.285	---	---	---	---	1970
1971	---	---	0	0	0	0	0.014	0.213	0	0	---	---	0.028	1971
1972	---	---	0	0	0	0	0	0	0.348	0.102	---	---	0.043	1972
1973	---	---	0	0.038	0.088	0.033	0	0.112	0.184	0.082	---	---	0.068	1973
1974	---	---	---	0	0	0	0	0	0	0	---	---	---	1974
1975	---	---	---	0	0	0	0	0	0	0	---	---	---	1975
1976	---	---	---	---	---	0.333	0.433	0.178	---	---	---	---	---	1976
1977	---	---	---	---	0.528	0.188	0	0	0.332	---	---	---	---	1977
1978	---	---	0	0	0.333	0.438	0.430	0.555	0.072	0	---	---	0.228	1978
1979	---	---	0	0	0	0	0	0	0	0	---	---	0	1979
1980	---	---	0	0	0	0	0	0	0	0	---	---	0	1980
1981	---	---	0	0	0	0.388	0.142	0	0	0	---	---	0.087	1981
1982	---	---	0	0	0.361	0.501	0	0	0	0	---	---	0.107	1982
1983	---	---	0	0	0	0	0	0	0	0	---	---	0	1983
1984	---	---	0	0	0.100	0.387	0	0	0.389	0.105	---	---	0.122	1984
MEAN	0	0	0	0.003	0.094	0.144	0.084	0.068	0.128	0.058	0	0	0.081	MEAN

LOCATION - LAT 51 48 10 N
LONG 105 20 36 W REGULATED

DATA CONTRIBUTED BY - SASKATCHEWAN DEPARTMENT OF THE ENVIRONMENT

SASKATOON S.E. PROJECT MAIN CANAL AT INLET TO DELLWOOD RESERVOIR - STATION NO. 05JJ007

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1968	---	0.681 ON OCT 6	0 ON MAY 1 *	---	1968
1969	---	0 ON MAR 1	0 ON MAR 1	0	1969
1970	---	0.908 ON SEP 18	0 ON SEP 1	---	1970
1971	---	0.535 ON AUG 11	0 ON MAR 1	808	1971
1972	---	0.488 ON OCT 3	0 ON MAR 1	811	1972
1973	---	0.648 ON OCT 1	0E ON MAR 1	1 480	1973
1974	---	0 ON APR 1	---	---	1974
1975	---	---	---	---	1975
1976	---	0.823 ON JUL 30	0 ON JUN 1	---	1976
1977	---	0.705 ON MAY 5	0 ON MAY 1	---	1977
1978	---	0.685 ON JUN 14	0 ON MAR 1	4 880	1978
1979	---	0 ON MAR 1	0 ON MAR 1	0	1979
1980	---	0 ON MAR 1	0 ON MAR 1	0	1980
1981	---	0.718 ON JUN 14 *	0 ON MAR 1	1 410	1981
1982	---	0.700 ON JUN 16	0 ON MAR 1	2 270	1982
1983	---	0 ON MAR 1	0 ON MAR 1	0	1983
1984	---	0.801 ON OCT 4	0 ON MAR 1	2 590	1984
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		1 280	MEAN

E - ESTIMATED

SASKATOON S.E. PROJECT MAIN CANAL AT OUTLET OF MANITOU PUMPING STATION - STATION NO. 05JJ005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1968	---	---	---	---	0	0	0	0.024	0.536	0.587	0	---	---	1968
1969	0	0	0	0	0	0	0	0	0	0	0	0	0	1969
1970	---	---	---	---	---	---	---	---	0.286	---	---	---	---	1970
1971	---	---	0	0	0	0	0.029	0.222	0	0	---	---	0.032	1971
1972	---	---	0	0	0	0	0	0	0.382	0.102	---	---	0.080	1972
1973	---	---	0	0.243	0.808	0.311	0	0.456	0.808	0.080	---	---	0.288	1973
1974	---	---	---	---	0.338	0.418	0.536	0.472	0.823	0.178	---	---	---	1974
1975	---	---	---	---	0.334	0.406	---	---	---	---	---	---	---	1975
1976	---	---	---	---	---	0.377	0.446	0.186	---	---	---	---	---	1976
1977	---	---	---	---	0.574	0.206	0	0	0.336	---	---	---	---	1977
1978	---	---	0	0	0.388	0.446	0.470	0.572	0.088	0	---	---	0.243	1978
1979	---	---	0	0	0	0	0	0	0	0	---	---	0	1979
1980	---	---	0	0	0	0	0	0	0	0	---	---	0	1980
1981	---	---	0	0	0	0.481	0.151	0	0	0	---	---	0.078	1981
1982	---	---	0	0	0.427	0.530	0	0	0	0	---	---	0.118	1982
1983	---	---	0	0	0	0	0	0	0	0	---	---	0	1983
1984	---	---	0	0	0.130	0.441	0	0	0.536	0.089	---	---	0.148	1984
MEAN	0	0	0	0.022	0.167	0.228	0.109	0.128	0.224	0.081	0	0	0.068	MEAN

LOCATION - LAT 51 48 21 N
LONG 105 38 56 W REGULATED

DATA CONTRIBUTED BY - SASKATCHEWAN DEPARTMENT OF THE ENVIRONMENT

SASKATOON S.E. PROJECT MAIN CANAL AT OUTLET OF MANITOU PUMPING STATION - STATION NO. 05JJ005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1968	---	0.722 ON OCT 6 *	0 ON MAY 1 *	---	1968
1969	---	0 ON MAR 1	0 ON MAR 1	0	1969
1970	---	---	0 ON SEP 1	---	1970
1971	---	0.888 ON AUG 12	0 ON MAR 1	874	1971
1972	---	0.851 ON OCT 3	0 ON MAR 1	1 280	1972
1973	---	0.851 ON AUG 22	0E ON MAR 1	5 110	1973
1974	---	0.823 ON SEP 1	0 ON MAY 1	---	1974
1975	---	---	0 ON MAY 1	---	1975
1976	---	0.829 ON JUL 1	0 ON JUN 1	---	1976
1977	---	0.880 ON SEP 28	0 ON MAY 1	---	1977
1978	---	0.851 ON JUL 24	0 ON MAR 1	5 140	1978
1979	---	0 ON MAR 1	0 ON MAR 1	0	1979
1980	---	0 ON MAR 1	0 ON MAR 1	0	1980
1981	---	0.700 ON JUL 3	0 ON MAR 1	1 850	1981
1982	---	0.851 ON MAY 26	0 ON MAR 1	2 510	1982
1983	---	0 ON MAR 1	0 ON MAR 1	0	1983
1984	---	0.673 ON SEP 17	0 ON MAR 1	3 140	1984
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		1 850	MEAN

E - ESTIMATED

SWAN CREEK NEAR DILLABOUGH - STATION NO. 05LB005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1956	---	---	---	3.36	8.43	---	---	---	---	---	---	---	---	1956
1957	---	---	---	13.4	4.84	---	---	---	---	---	---	---	---	1957
1959	---	---	0.489	---	---	---	---	---	---	---	---	---	---	1959
1960	---	---	---	11.2	---	---	---	---	---	---	---	---	---	1960
1961	---	---	---	1.27	---	---	---	---	---	---	---	---	---	1961
1962	---	---	---	10.6	---	---	---	---	---	---	---	---	---	1962
1963	---	---	0.411	---	---	---	---	---	---	---	---	---	---	1963
1964	---	---	---	---	---	---	---	---	---	---	---	---	---	1964
1966	---	---	0	10.6	2.02	1.72	0.750	0.105	0	0	---	---	1.87	1966
1967	---	---	0	1.71	11.3	0.470	0	0	0	0	---	---	1.70	1967
1968	---	---	1.36	1.05	0.020	0.032	0.018	0.034	0.018	0.013	---	---	0.318	1968
1969	---	---	0	8.88	0.178	0.018	0.001	0	0	0.018	---	---	0.878	1969
1970	---	---	0	8.84	3.72	0.888	2.38	0.010	0	0.008	---	---	1.70	1970
1971	---	---	0	10.8	0.308	0.038	0	0	0	0	---	---	1.38	1971
1972	---	---	0	18.3	2.81	0.003	0	0	0	0	---	---	2.87	1972
1973	---	---	0.837	3.01	0.202	1.80	1.03	0	0	0	---	---	0.781	1973
1974	---	---	0	14.5	4.85	1.84	0.001	0	0.002	0.027	---	---	2.80	1974
1975	---	---	0	7.94	2.01	1.19	0.178	0	0.002	0.178	---	---	1.42	1975
1976	---	---	0	5.24	0.048	2.41	0.587	0.002	0	0	---	---	1.01	1976
1977	---	---	0	1.43	0.480	0.078	0	0	0	0	---	---	0.243	1977
1978	---	---	0	10.2	0.851	0.084	0.004	0	0	0	---	---	1.32	1978
1979	---	---	0	14.7	3.85	2.31	0.041	0	0	0	---	---	2.87	1979
1980	---	---	0	2.74	0.004	0	0	0	0	0	---	---	0.338	1980
1981	---	---	0.911	0.380	0.014	0	0	0	0	0	---	---	0.184	1981
1982	---	---	0	2.12	0.032	0.205	0	0	0	0	---	---	0.288	1982
1983	---	---	0	5.77	0.519	1.00	2.38	0.138	0	0	---	---	1.21	1983
1984	---	---	0.414	3.88	1.89	3.89	0.078	0	0	0	---	---	1.23	1984
1985	---	---	0	11.5	1.28	0.450	0.034	0	0	0	---	---	1.83	1985
1986	---	---	0.007	8.58	0.544	0.084	0	0	0	0	---	---	1.25	1986
1987	---	---	0	3.74	0.018	0.005	0	0	0	0	---	---	0.480	1987
1988	---	---	0	8.87	0.245	0.024	0	0	0	0	---	---	1.22	1988
MEAN	---	---	0.144	7.24	1.88	0.750	0.324	0.013	0.001	0.011	---	---	1.23	MEAN

LOCATION - LAT 52 37 06 N
LONG 102 45 05 W

DRAINAGE AREA, 880 km^2
NATURAL FLOW

SHAND CREEK NEAR DILLABOUGH - STATION NO. 08LB006

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1956	---	---	OE ON APR 1 *	---	1956
1957	---	---	OE ON APR 1	---	1957
1958	---	---	OE ON MAR 1	---	1958
1960	---	---	OE ON APR 1	---	1960
1961	---	---	OE ON APR 1	---	1961
1962	---	---	OE ON APR 1	---	1962
1963	---	---	OE ON MAR 1	---	1963
1964	---	---	0 ON APR 8	---	1964
1966	---	84.0 ON APR 15	OE ON MAR 1	38 800	1966
1967	---	41.8 B ON MAY 1	OE ON MAR 1	36 000	1967
1968	---	8.268 ON MAR 28	OE ON MAR 1	8 740	1968
1969	---	36.8 ON APR 12	OE ON MAR 1	18 800	1969
1970	---	28.9 ON APR 20	OE ON MAR 1	36 100	1970
1971	---	54.1 ON APR 15	OE ON MAR 1	28 300	1971
1972	104 B AT 23:58 CST ON APR 23 *	94.9 ON APR 24 *	OE ON MAR 1	54 500	1972
1973	---	14.4 ON APR 20	OE ON MAR 1	16 100	1973
1974	---	88.5 ON APR 21	OE ON MAR 1	55 000	1974
1975	48.7 AT 20:48 CST ON APR 22	45.3 ON APR 23	OE ON MAR 1	30 000	1975
1976	32.3 AT 19:36 CST ON APR 8	30.3 ON APR 8	OE ON MAR 1	21 500	1976
1977	---	10.5 E ON APR 10	OE ON MAR 1	5 150	1977
1978	51.2 AT 04:13 CST ON APR 20	49.3 R ON APR 20	OE ON MAR 1	28 000	1978
1979	85.6 AT 15:51 CST ON APR 22	84.6 ON APR 22	OE ON MAR 1	54 500	1979
1980	16.5 AT 00:34 CST ON APR 13	15.3 ON APR 13	OE ON MAR 1	7 120	1980
1981	4.87 AT 04:57 CST ON APR 1	3.71 ON APR 1	OE ON MAR 1	3 480	1981
1982	15.5 AT 14:48 CST ON APR 16	14.8 B ON APR 16	OE ON MAR 1	6 100	1982
1983	44.9 AT 18:38 CST ON APR 23	42.8 ON APR 23	OE ON MAR 1	25 800	1983
1984	23.9 AT 10:14 CST ON JUN 9	22.7 ON JUN 9	OE ON MAR 1	25 000	1984
1985	40.7 AT 21:48 CST ON APR 11	39.6 ON APR 11	OE ON MAR 1	34 500	1985
1986	40.7 AT 14:00 CST ON APR 8	40.2 ON APR 8	OE ON MAR 1	28 400	1986
1987	33.3 AT 23:47 CST ON APR 6	30.8 ON APR 6	OE ON MAR 1	8 740	1987
1988	83.6 AT 18:20 CST ON APR 13	80.1 A ON APR 13	OE ON MAR 1	25 800	1988
				25 800	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD
R - REVISED SINCE JAN 01 1987

SHELL BROOK NEAR SHELLBROOK - STATION NO. 05GF001

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1964	---	---	---	2.58	---	---	---	---	---	---	---	---	---	1964
1965	---	---	---	4.83	2.19	---	---	---	---	0.287	---	---	---	1965
1966	---	---	0.012	3.51	1.26	1.56	0.486	0.077	0.008	0.008	---	---	0.680	1966
1967	---	---	0	0.487	1.53	0.446	0.057	0.008	0.001	0.004	---	---	0.325	1967
1968	---	---	0.478	2.36	1.04	0.831	0.284	0.218	0.830	0.713	---	---	0.624	1968
1969	---	---	0.001	5.46	1.88	0.358	0.104	0.182	0.014	0.494	---	---	1.06	1969
1970	---	---	0.038	5.18	1.78	0.588	1.27	0.182	0.008	0.031	---	---	1.13	1970
1971	---	---	0	2.47	0.830	0.388	1.02	0.256	0.070	0.068	---	---	0.532	1971
1972	---	---	0.034	4.11	2.22	0.119	0.078	0.018	0.051	0.070	---	---	0.831	1972
1973	---	---	0.221	2.80	3.08	2.87	3.46	0.746	0.887	1.07	---	---	1.84	1973
1974	---	---	0.483	9.07	10.4	5.78	5.00	0.888	0.827	0.884	---	---	4.18	1974
1975	---	---	0.063	3.88	8.84	4.82	1.70	0.328	0.185	0.058	---	---	2.20	1975
1976	---	---	0.248	2.21	0.882	0.181	0.202	0.144	0	0	---	---	0.463	1976
1977	---	---	0.027	0.886	1.52	1.18	0.371	0.083	0.084	0.082	---	---	0.630	1977
1978	---	---	0.088	3.10	1.55	0.718	0.187	0.022	0	0	---	---	0.898	1978
1979	---	---	0.120	4.21	8.88	2.77	0.624	0	0	0	---	---	1.82	1979
1980	---	---	0.243	2.83	0.777	0.120	0.513	0.488	0.487	0.487	---	---	0.745	1980
1981	---	---	0.648	3.03	1.33	0.288	0.028	0.188	0.001	0	---	---	0.872	1981
1982	---	---	0	1.10	0.788	0.388	0.388	0.298	0.034	0	---	---	0.382	1982
1983	---	---	0.282	4.84	2.18	0.040	0.082	0	0.037	0.208	---	---	0.949	1983
1984	---	---	0.428	2.78	1.80	3.48	0.884	0.128	0.047	0.188	---	---	1.14	1984
1985	---	---	0.328	15.2	13.9	4.26	0.812	0.188	0.211	0.338	---	---	4.38	1985
1986	---	---	0.388	4.13	1.80	0.377	0.187	0.124	0.031	0.078	---	---	0.872	1986
1987	---	---	0.185	1.87	0.618	0.088	0.058	0.040	0.035	0.048	---	---	0.383	1987
1988	---	---	0.002	2.30	0.288	0.012	0.008	0.182	0.018	0.010	---	---	0.348	1988
MEAN	---	---	0.181	3.80	2.77	1.38	0.778	0.208	0.182	0.212	---	---	1.18	MEAN

LOCATION - LAT 53 15 10 N, LONG 106 23 08 W
DRAINAGE AREA, 2 680 km^2
NATURAL FLOW

SHELL BROOK NEAR SHELLBROOK - STATION NO. 05GF001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1984	---	---	0 E ON APR 1 *	---	1984
1985	---	---	0 E ON APR 1	---	1985
1986	---	6.31A ON APR 17	0 B ON MAR 1	18 200	1986
1987	3.17 AT 14:30 CST ON MAY 7	3.14 ON MAY 7	0 B ON MAR 1	6 670	1987
1988	5.30 AT 21:00 CST ON APR 11	5.10 ON APR 11	0.002 ON JUL 18	17 500	1988
1989	18.5 B AT 14:00 CST ON APR 11	12.8 B ON APR 11	0 B ON MAR 6	32 300	1989
1970	13.5 AT 07:00 CST ON APR 13	10.3 ON APR 13	0 ON SEP 21	23 800	1970
1971	6.66 AT 08:58 CST ON APR 17	6.43 ON APR 17	0 B ON MAR 1	13 400	1971
1972	26.6 AT 22:47 CST ON APR 21	18.8 ON APR 22	0 ON JUN 23	17 800	1972
1973	11.5 AT 17:15 CST ON JUL 3	8.71 ON JUL 3	0.1538 ON MAR 14	39 000	1973
1974	33.1 AT 19:13 CST ON APR 19	30.0 ON APR 19	0.4228 ON MAR 27	88 000	1974
1975	12.6 B AT 07:38 CST ON APR 21	11.5 B ON APR 21	0.025 ON OCT 31	46 500	1975
1976	---	5.78 ON APR 10	0 ON JUN 22	8 530	1976
1977	3.21 AT 03:10 CST ON MAY 29	2.17 ON MAY 29	0.0085 ON MAR 1	11 200	1977
1978	8.05B AT 10:57 CST ON APR 13	5.47B ON APR 13	0 ON AUG 30	14 800	1978
1979	22.6 B AT 22:00 CST ON APR 26	19.0 B ON APR 26	0 ON AUG 1	38 500	1979
1980	10.8 AT 19:20 CST ON APR 17	8.85 ON APR 17	0.008 ON JUN 5	15 800	1980
1981	4.80B AT 08:08 CST ON APR 18	4.55B ON APR 18	0 ON AUG 28	14 200	1981
1982	4.01B AT 08:57 CST ON APR 22	3.07B ON APR 22	0 B ON MAR 1	7 870	1982
1983	17.2 B AT 14:35 CST ON APR 21	15.8 B ON APR 21	0 ON JUL 30	20 000	1983
1984	4.84 AT 00:38 CST ON APR 13	4.76 ON APR 13	0 B ON MAR 1	24 100	1984
1985	38.5 AT 05:36 CST ON APR 21 *	37.0 ON APR 21 *	0.115 ON AUG 3	92 700	1985
1986	6.74 AT 12:48 CST ON APR 12	6.50 ON APR 10	0.002 ON SEP 8	18 500	1986
1987	3.47B AT 12:37 CST ON APR 10	3.07B ON APR 9	0.002 ON JUN 20	7 470	1987
1988	4.74 AT 07:36 CST ON APR 13	4.26 ON APR 13	0 B ON MAR 1	7 330	1988
			25 000		MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SHEPHERD BROS. EAST DITCH NEAR BATTLE CREEK - STATION NO. 11AB022

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1915	---	---	0	0	0.007	0	0	0	0	0	---	---	0.001	1915
1916	---	---	0	0.003	0.001	0	0	0	0	0	---	---	0.001	1916
1917	---	---	0	0	0	0	0	0	0	0	---	---	0	1917
1918	---	---	0	0.018	0.013	0	0	0	0	0	---	---	0.004	1918
1919	---	---	0	0	0	0	0	0	0	0	---	---	0	1919
1920	---	---	0	0.011	0	0	0	0	0	0	---	---	0.001	1920
1921	---	---	0	0.022	0	0	0	0	0	0	---	---	0.003	1921
1922	---	---	0	0.030	0	0	0	0	0	0	---	---	0.004	1922
1923	---	---	0	0.020	0	0	0	0	0	0	---	---	0.002	1923
1924	---	---	0	0	0	0	0	0	0	0	---	---	0	1924
1925	---	---	0	0.018	0	0	0	0	0	0	---	---	0.002	1925
1926	---	---	0.002	0.004	0	0	0	0	0	0	---	---	0.001	1926
1927	---	---	0	0.028	0.003	0	0	0	0	0	---	---	0.004	1927
1928	---	---	0	0	0	0	0	0	0	0	---	---	0	1928
1929	---	---	0	0	0	0	0	0	0	0	---	---	0	1929
1930	---	---	0	0	0	0	0	0	0	0	---	---	0	1930
1931	---	---	0	0	0	0	0	0	0	0	---	---	0	1931
MEAN	---	---	0	0.009	0.001	0	0	0	0	0	---	---	0.001	MEAN

LOCATION - LAT 49 25 50 N
LONG 105 41 50 W REGULATED

SHEPHERD BROS. EAST DITCH NEAR BATTLE CREEK - STATION NO. 11AB022

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1915	---	0.067 ON MAY 9	0 ON MAR 1 *	18.2	1915
1916	---	0.028 ON APR 19	0 ON MAR 1	11.2	1916
1917	---	0 ON MAR 1	0 ON MAR 1	0	1917
1918	---	0.027 ON APR 19	0 ON MAR 1	81.7	1918
1919	---	0 ON MAR 1	0 ON MAR 1	0	1919
1920	---	0.045 ON APR 20	0 ON MAR 1	29.3	1920
1921	---	0.116 ON APR 2 *	0 ON MAR 1	88.2	1921
1922	---	0.108E ON APR 12	0 ON MAR 1	78.6	1922
1923	---	0.085 ON APR 17	0 ON MAR 1	82.6	1923
1924	---	0 ON MAR 1	0 ON MAR 1	0	1924
1925	---	0.062 ON APR 8	0 ON MAR 1	48.3	1925
1926	---	0.028 ON APR 10	0 ON MAR 1	18.8	1926
1927	---	0.105 ON APR 8	0 ON MAR 1	74.8	1927
1928	---	0 ON MAR 1	0 ON MAR 1	0	1928
1929	---	0 ON MAR 1	0 ON MAR 1	0	1929
1930	---	0 ON MAR 1	0 ON MAR 1	0	1930
1931	---	0 ON MAR 1	0 ON MAR 1	0	1931
				27.4	MEAN

E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SHEPHERD DITCH NEAR CONSUL - STATION NO. 11AB020

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1915	---	---	0	0	0.024	0	0	0	0	0	---	---	0.003	1915
1916	---	---	0	0	0	0	0	0	0	0	---	---	0	1916
1917	---	---	0	0	0	0	0	0	0	0	---	---	0	1917
1918	---	---	0	0	0	0	0	0	0	0	---	---	0	1918
1919	---	---	0	0	0	0	0	0	0	0	---	---	0	1919
1920	---	---	0	0	0	0	0	0	0	0	---	---	0	1920
1921	---	---	0	0	0.054	0.041	0	0	0	0	---	---	0.012	1921
1922	---	---	0	0.002	0.008	0.089	0.014	0	0	0	---	---	0.011	1922
1923	---	---	0	0.018	0	0	0	0	0	0.028	---	---	0.005	1923
1924	---	---	0	0	0	0.036	0.024	0	0	0.035	---	---	0.012	1924
1925	---	---	0	0.010	0	0	0	0	0	0	---	---	0.001	1925
1926	---	---	0	0	0.020	0.012	0	0	0	0	---	---	0.004	1926
1927	---	---	0	0	0	0	0	0	0	0	---	---	0	1927
1928	---	---	0	0	0	0	0	0	0	0	---	---	0	1928
1929	---	---	0	0	0	0	0	0	0	0	---	---	0	1929
1930	---	---	0	0	0	0	0	0	0	0	---	---	0	1930
1931	---	---	0	0	0	0	0	0	0	0	---	---	0	1931
1932	---	---	0	0	0	0	0	0	0	0	---	---	0	1932
1933	---	---	0	0	0	0	0	0	0	0	---	---	0	1933
1934	---	---	0	0	0	0	0	0	0	0	---	---	0	1934
1973	---	---	---	---	---	0.057	0.001	0	0.002	0.006	---	---	---	1973
1974	---	---	---	0.121	0.022	0.021	0.068	0.020	0.007	0.018	---	---	---	1974
1975	---	---	---	---	0.102	0.084	0.057	0.005	0.004	0.003	---	---	---	1975
1976	---	---	---	0.072	0.305	0.011	0.003	0.003	0.006	0.003	---	---	---	1976
1977	---	---	---	0.123	0.087	0.003	0.002	0.003	0.003	0	---	---	---	1977
1978	---	---	0	0.124	0.118	0.002	0.004	0.002	0.001	0.002	---	---	0.031	1978
1979	---	---	0	0.004	0.082	0.038	0.001	0.001	0.002	0.001	---	---	0.013	1979
1980	---	---	0	0.085	0.175	0.003	0.004	0.018	0.002	0.002	---	---	0.033	1980
1981	---	---	0.104	0.104	0.002	0.004	0.002	0.002	0.002	0.002	---	---	0.037	1981
1982	---	---	0	0	0.238	0.028	0.002	0.002	0.002	0.001	---	---	0.035	1982
1983	---	---	0.001	0.238	0.045	0.004	0.002	0.001	0.001	0.003	---	---	0.044	1983
1984	---	---	0	0.188	0.043	0.001	0.001	0.002	0.003	0.002	---	---	0.030	1984
1985	---	---	0.002	0.310	0.038	0	0	0	0	0	---	---	0.043	1985
1986	---	---	0.137	0.147	0.098	0	0.001	0.001	0.057	0.001	---	---	0.055	1986
1987	---	---	0.025	0.134	0.153	0.005	0.002	0.004	0.008	0.004	---	---	0.042	1987
1988	---	---	0.002	0.188	0.099	0	0.005	0.012	0.001	0.002	---	---	0.038	1988
MEAN	---	---	0.008	0.084	0.045	0.016	0.005	0.002	0.003	0.003	---	---	0.014	MEAN

LOCATION - LAT 49 34 50 N
LONG 108 44 30 W REGULATED

SHEPHERD DITCH NEAR CONSUL - STATION NO. 11AB020

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1915	---	0.125 ON MAY 8	0 ON MAR 1 *	83.4	1915
1916	---	0 ON MAR 1	0 ON MAR 1	0	1916
1917	---	0 ON MAR 1	0 ON MAR 1	0	1917
1918	---	0 ON MAR 1	0 ON MAR 1	0	1918
1919	---	0 ON MAR 1	0 ON MAR 1	0	1919
1920	---	0 ON MAR 1	0 ON MAR 1	0	1920
1921	---	0.122 ON MAY 11	0 ON MAR 1	248	1921
1922	---	0.255 ON JUN 15	0 ON MAR 1	338	1922
1923	---	0.142 ON APR 17	0 ON MAR 1	111	1923
1924	---	0.076 ON JUN 11	0 ON MAR 1	247	1924
1925	---	0.040 ON APR 8	0 ON MAR 1	25.4	1925
1926	---	0.099 ON MAY 28	0 ON MAR 1	83.8	1926
1927	---	0 ON MAR 1	0 ON MAR 1	0	1927
1928	---	0 ON MAR 1	0 ON MAR 1	0	1928
1929	---	0 ON MAR 1	0 ON MAR 1	0	1929
1930	---	0 ON MAR 1	0 ON MAR 1	0	1930
1931	---	0 ON MAR 1	0 ON MAR 1	0	1931
1932	---	0 ON MAR 1	0 ON MAR 1	0	1932
1933	---	0 ON MAR 1	0 ON MAR 1	0	1933
1934	---	0 ON MAR 1	0 ON MAR 1	0	1934
1973	---	---	0 ON JUL 1	---	1973
1974	---	0.3439 ON APR 8	0E ON APR 1	---	1974
1975	---	1.31 A ON MAY 8 *	0E ON MAY 1	---	1975
1976	---	0.256 ON MAY 15	0 ON APR 22	---	1976
1977	---	0.504 ON APR 9	0E ON APR 1	---	1977
1978	---	0.523 ON APR 26	0E ON MAR 1	683	1978
1979	---	0.142E ON MAY 1	0E ON MAR 1	264	1979
1980	---	0.310 ON APR 27	0E ON MAR 1	706	1980
1981	---	0.400 ON JUN 15	0 ON MAR 1	788	1981
1982	0.8798 AT 21:00 CST ON MAY 30 *	0.474 ON MAY 30	0E ON MAR 1	733	1982
1983	---	0.384 ON APR 19	0E ON MAR 1	935	1983
1984	---	0.308 ON APR 18	0E ON MAR 1	827	1984
1985	---	0.594 ON APR 14	0E ON MAR 1	811	1985
1986	---	1.00 E ON SEP 25	0 ON JUN 4	1 170	1986
1987	---	0.278 ON APR 18	0E ON MAR 1	684	1987
1988	---	0.315 ON APR 6	0E ON MAR 1	804	1988
				207	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SHORT CREEK NEAR ROCHE PERCEE - STATION NO. 05NB021

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1980	0.003	0.002	3.46	3.06	0.087	0.049	0.011	0.097	0.001	0.001	0.002	0	0.585	1980
1981	0.002	0.003	0.260	0.015	0.010	0	0	0	0	0	0	0	0.025	1981
1982	0	0	0.463	0.065	0.045	0.492	0.003	0	0	0	0	0	0.089	1982
1983	0	0	0.191	0.187	0.375	0.811	0.306	0.383	0.048	0.006	0.001	0	0.193	1983
1984	0	0	0.005	1.33	0.066	0.218	0.018	0.003	0.003	0	0	0	0.135	1984
1985	0	0	0	0.739	0.852	0.250	0	0	0.022	0.034	0.005	0.001	0.142	1985
1986	0	0	0.456	0.134	0.092	0.083	0.051	0.001	0.002	0.003	0.002	0	0.069	1986
1987	0	0	0.695	0.388	0.196	0.004	0	0	0	0.001	0.001	0	0.106	1987
1988	0	0	0.186	0.084	0.037	0.008	0.001	0.044	0.023	0.043	0.010	0.008	0.036	1988
1989	0.006	0.003	0	7.26	0.173	0.006	0.316	0.082	0.036	0.002	0.005	0.001	0.847	1989
1970	0	0	0.200	1.27	3.88	0.577	0.541	0.055	0.001	0.014	0.040	0.001	0.564	1970
1971	0.001	0.004	0.159	0.668	0.038	0.020	0.328	0.002	0.001	0.280	0.083	0.011	0.134	1971
1972	0	0	4.21	1.76	0.510	0.291	0.022	1.06	0.252	0.068	0.011	0.005	0.868	1972
1973	0.001	0	0.253	0.113	0.028	0.064	0	0	0.111	0.037	0.008	0.004	0.052	1973
1974	0.001	0	0.730	7.68	4.19	0.532	0.018	0.001	0	0	0	0.001	1.11	1974
1975	0.001	0.001	0.003	8.39	4.77	2.84	0.226	0.001	0.488	0.310	0.170	0.040	1.27	1975
1976	0.008	0.024	8.07	8.24	0.584	0.177	0.007	0	0	0	0	0	1.43	1976
1977	0	0	0.003	0.038	0.008	0.001	0	0	0	0	0	0	0.004	1977
1978	0	0	0.863	0.420	0.320	0.788	0.926	0.009	0.048	0.026	0.008	0.002	0.288	1978
1979	0.002	0.001	0.005	8.62	2.96	0.192	0.008	0	0	0	0.001	0.002	0.993	1979
1980	0	0	0.159	0.293	0.003	0	0	0	0	0	0	0	0.038	1980
1981	0	0.584	0.103	0.005	0.001	0.001	0	0.002	0	0	0.001	0.001	0.055	1981
1982	0	0	0.155	5.33	0.217	0.017	0.080	0.012	0.001	0.032	0.056	0.001	0.455	1982
1983	0	0.783	1.03	2.86	0.179	0.033	0.113	0.012	0.002	0.002	0.002	0.002	0.398	1983
1984	0.002	0.021	0.184	0.084	0.152	0.003	0	0	0	0	0.001	0.001	0.036	1984
1985	0	0.581	1.09	0.181	0.018	0.005	0	0.104	0.018	0.044	0.014	0.001	0.124	1985
1986	0.001	0.084	0.516	0.078	0.188	0.055	1.18	0.555	0.005	0.013	0.004	0.002	0.222	1986
1987	0.002	0.581	1.30	1.06	0.047	0.004	0.002	0.001	0	0	0.002	0.001	0.202	1987
1988	0	0	0.002	0.004	0.002	0	0	0	0	0	0	0	0.001	1988
MEAN	0.001	0.052	0.855	2.02	0.884	0.258	0.142	0.083	0.036	0.032	0.018	0.003	0.348	MEAN

LOCATION - LAT 49 01 52 N
LONG 102 50 57 W

DRAINAGE AREA, 1 210 km²
REGULATED

INTERNATIONAL GAUGING STATION

SHORT CREEK NEAR ROCHE PERCEE - STATION NO. 05NB021

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1980	38.5 AT 01:30 ON MAR 28	23.5 B ON MAR 27	0 B ON FEB 21 *	17 900	1980
1981	1.56 B AT 10:00 CST ON MAR 17	1.50 B ON MAR 17	0 B ON JAN 1	773	1981
1982	3.46 AT 10:00 ON MAR 28	2.69 ON MAR 28	0 ON JAN 1	2 820	1982
1983	4.90 AT 22:00 ON JUN 7	4.25 ON JUN 7	0 ON JAN 1	6 110	1983
1984	---	9.83 B ON APR 4	0 B ON JAN 1	4 288	1984
1985	3.37 AT 01:30 ON MAY 8	3.20 ON MAY 8	0 B ON JAN 1	4 480	1985
1986	---	2.47 B ON MAR 16	0 B ON JAN 1	2 180	1986
1987	---	3.11 B ON MAR 26	0 B ON JAN 1	3 340	1987
1988	0.784B AT 16:10 CST ON MAR 28	0.560B ON MAR 7	0 B ON JAN 1	1 120	1988
1989	48.1 AT 01:07 ON APR 7 *	39.9 ON APR 7 *	0 B ON MAR 1	20 400	1989
1970	13.0 AT 18:30 CST ON MAY 1	11.6 ON MAY 1	0 B ON JAN 1	17 500	1970
1971	2.02 AT 00:08 CST ON JUL 14	1.88 ON JUL 14	0 ON MAY 28	4 230	1971
1972	18.6 AT 05:43 CST ON MAR 17	14.8 ON MAR 17	0 B ON JAN 1	21 700	1972
1973	1.18 B AT 13:18 CST ON MAR 13	0.948B ON MAR 14	0 B ON JAN 28	1 830	1973
1974	23.0 B AT 05:41 CST ON APR 11	21.6 B ON APR 11	0 B ON JAN 19	35 000	1974
1975	25.9 AT 05:24 CST ON APR 30	25.0 ON APR 30	0.001B ON JAN 1	40 000	1975
1976	38.6 B AT 21:14 CST ON MAR 28	38.6 B ON MAR 28	0 ON JUL 31	45 000	1976
1977	---	0.078E ON APR 12	0 B ON JAN 1	128	1977
1978	7.93 B AT 01:09 CST ON MAR 23	3.81 B ON MAR 23	0 B ON JAN 1	9 300	1978
1979	45.0 B AT 05:36 CST ON APR 19	38.6 B ON APR 19	0 B ON FEB 17	31 400	1979
1980	---	1.02 B ON MAR 30	0 B ON JAN 3	1 180	1980
1981	2.48 B AT 10:00 CST ON FEB 21	1.84 B ON FEB 22	0 B ON JAN 1	1 740	1981
1982	38.6 B AT 02:56 CST ON APR 14	33.1 B ON APR 14	0 B ON JAN 1	15 300	1982
1983	14.1 B AT 20:06 CST ON MAR 31	11.8 B ON MAR 31	0 B ON JAN 1	12 800	1983
1984	1.11 B AT 13:14 CST ON MAR 28	0.718 ON MAY 4	0 B ON JAN 6	1 130	1984
1985	4.84 B AT 16:39 CST ON MAR 14	3.72 B ON MAR 15	0 B ON JAN 1	3 920	1985
1986	8.88 AT 03:37 CST ON JUL 28	8.06 ON JUL 28	0 B ON FEB 16	7 010	1986
1987	8.67 B AT 13:25 CST ON MAR 26	6.83 B ON MAR 26	0 B ON FEB 2	6 370	1987
1988	0.008 AT 08:23 CST ON MAY 2	0.006 ON APR 16	0 B ON JAN 1	16.8	1988
				11 000	MEAN

B - ICE CONDITIONS
E - ESTIMATED

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SHORT CREEK NEAR ROCHE PERCEE - STATION NO. 05NB006

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1956	---	---	0.838	1.70	0.161	0.007	0.002	0	0	0	---	---	---	1956
1957	---	---	0.485	0.138	0.008	0	0	0	0	0	---	---	---	1957
1958	---	---	0.261	0.283	0	0	0	0	0	0	---	---	---	1958
1959	---	---	2.36	0.089	0.004	0.002	0	0.027	0.042	0.488	0.084	0.008	---	1959
1960	0.003	0.002	---	---	---	---	---	---	---	---	---	---	---	1960
MEAN	0.003	0.002	0.891	0.648	0.038	0.002	0.001	0.007	0.011	0.117	0.084	0.008	---	MEAN

LOCATION - LAT 49 03 45 N
LONG 102 49 05 W

DRAINAGE AREA, 1 230 km²
NATURAL FLOW

SHORT CREEK NEAR ROCHE PERCEE - STATION NO. 05NB003

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1956	---	3.66 B ON MAR 22	0B ON MAR 1 *	---	1956
1957	---	2.12 ON MAR 28	0 ON MAR 1	---	1957
1958	---	2.52 ON MAR 31	0B ON MAR 1	---	1958
1959	---	11.8 ON MAR 18 *	0B ON MAR 1	---	1959
1960	---	0.0038 ON JAN 1	0B ON FEB 21	---	1960
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

SHUARD CREEK AT JOHNSON'S RANCH - STATION NO. 05NA004

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1909	---	---	---	---	---	---	---	---	0.057	0.078	---	---	---	1909
1910	---	---	---	0.172	0.111	0.053	0.018	0.022	0.029	0.053	---	---	---	1910
1911	---	---	---	0.382	0.230	0.082	0.055	0.041	0.050	---	---	---	---	1911
1912	---	---	---	---	0.388	0.175	0.059	0.035	0.041	0.070	---	---	---	1912
1913	---	---	---	---	0.177	0.055	0.026	0.011	0.022	0.058	---	---	---	1913
1914	---	---	---	0.497	0.122	0.076	0.011	0.002	0.012	0.134	---	---	---	1914
MEAN	---	---	---	0.344	0.208	0.088	0.034	0.022	0.042	0.088	---	---	---	MEAN

LOCATION - LAT 49 49 50 N, LONG 109 03 40 W. DRAINAGE AREA, 83.6 km^2. NATURAL FLOW

SHUARD CREEK AT JOHNSON'S RANCH - STATION NO. 05NA004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1909	---	---	---	---	1909
1910	---	---	---	---	1910
1911	---	---	---	---	1911
1912	---	---	---	---	1912
1913	---	---	0E ON JUL 20 *	---	1913
1914	---	---	0 ON JUL 14	---	1914
	E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

SINCLAIR SOUTH DITCH NEAR LEITCHVILLE - STATION NO. 05ND020

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1930	---	---	---	0.001	0.001	0	0	---	---	---	---	---	---	1930
MEAN	---	---	---	0.001	0.001	0	0	---	---	---	---	---	---	MEAN

LOCATION - LAT 49 49 18 N, LONG 108 33 53 W. REGULATED

SKULL CREEK AT DOYLE'S RANCH - STATION NO. 05NA018

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1911	---	---	---	---	0.151	0.065	0.054	0.034	0.031	0.068	---	---	---	1911
1912	---	---	---	---	0.288	0.149	0.060	0.048	0.048	0.068	---	---	---	1912
1913	---	---	---	0.661	0.098	0.053	0.030	0.034	0.037	0.053	---	---	---	1913
1914	---	---	---	0.484	0.131	0.028	0.004	0.005	0.043	0.133	---	---	---	1914
1915	---	---	---	0.492	0.144	0.178	0.139	0.044	0.045	0.078	---	---	---	1915
1916	---	---	1.03	0.210	0.198	0.220	0.079	0.057	0.061	0.112	---	---	0.247	1916
1917	---	---	---	---	1.22	0.112	0.024	0.016	0.053	0.082	---	---	---	1917
1918	---	---	---	0.300	0.100	0.057	0.017	0.015	0.019	0.035	---	---	---	1918
1919	---	---	0.082	0.333	0.080	0.019	0.004	0	0.018	0.094	---	---	0.078	1919
1920	---	---	0.580	0.819	0.280	0.187	0.058	0.001	0.004	0.021	---	---	0.235	1920
1921	---	---	0.331	1.02	0.195	0.044	0.020	0.009	0.045	0.032	---	---	0.211	1921
1922	---	---	0.172	2.22	0.319	0.048	0.024	0.004	0.011	0.028	---	---	0.348	1922
MEAN	---	---	0.433	0.748	0.288	0.098	0.042	0.023	0.040	0.071	---	---	0.224	MEAN

LOCATION - LAT 49 51 24 N, LONG 108 56 37 W. DRAINAGE AREA, 82.1 km^2. NATURAL FLOW

SKULL CREEK AT DOYLE'S RANCH - STATION NO. 05HA016

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1911	---	---	---	---	1911
1912	---	---	---	---	1912
1913	---	---	---	---	1913
1914	---	---	0 ON JUL 20 *	---	1914
1915	---	---	---	---	1915
1916	---	4.53 ON MAR 11	0.040 ON JUL 23	5 230	1916
1917	---	---	---	---	1917
1918	---	---	0 ON AUG 1	---	1918
1919	---	1.270 ON APR 1	0 ON JUN 25	1 650	1919
1920	---	3.680 ON APR 13	0 ON AUG 22	4 970	1920
1921	---	8.358 ON APR 2	0 ON JUL 10	4 460	1921
1922	---	13.6 ON APR 20 *	0.001 ON JUL 22	7 390	1922
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		4 730	MEAN

SKULL CREEK NEAR PIAPOT - STATION NO. 05HA015

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1983	---	---	0.857	0.083	0.052	0.074	0.056	0	0	0	---	---	0.142	1983
1984	---	---	0.005	0.390	0.201	0.053	0	0	0	0	---	---	0.080	1984
1985	---	---	0.027	1.87	0.222	0.182	0.134	0	0.026	0.035	---	---	0.280	1985
1986	---	---	1.01	0.322	0.176	0.188	0.021	0	0	0	---	---	0.313	1986
1987	---	---	0.404	0.810	1.22	0.115	0	0	0	0	---	---	0.318	1987
1988	---	---	0.339	0.115	0.111	0.053	0.004	0	0	0	---	---	0.073	1988
1989	---	---	0.436	1.32	0.181	0.020	0.014	0	0	0	---	---	0.240	1989
1970	---	---	0.076	1.34	0.448	0.094	0.004	0	0	0	---	---	0.243	1970
1971	---	0.020	0.059	0.839	0.084	0.009	0.002	0	0	0	---	---	0.120	1971
1972	---	---	0.467	0.115	0.140	0.030	0	0	0	0	---	---	0.085	1972
1973	---	---	0.244	0.172	0.088	0.310	---	---	---	---	---	---	---	1973
MEAN	---	0.020	0.367	0.653	0.281	0.098	0.024	0	0.003	0.004	---	---	0.181	MEAN

LOCATION - LAT 49 53 30 N, LONG 106 56 25 W DRAINAGE AREA, 127 km^2 NATURAL FLOW

SKULL CREEK NEAR PIAPOT - STATION NO. 05HA015

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1983	7.02 AT 09:30 MST ON MAR 23	5.55 ON MAR 23	0 ON JUL 21 *	3 010	1983
1984	5.18 AT 11:00 MST ON APR 11	3.37 ON APR 2	0B ON MAR 1	1 700	1984
1985	---	5.32 B ON APR 15	0B ON MAR 26	5 530	1985
1986	---	3.06 B ON MAR 28	0 ON JUL 20	4 500	1986
1987	25.5 AT 07:00 MST ON MAY 8 *	13.9 ON MAY 8 *	0 ON JUL 1	6 750	1987
1988	---	0.9818 ON MAR 7	0 ON JUL 7	1 668	1988
1989	---	6.14 ON APR 8	0B ON MAR 1	5 060	1989
1970	---	5.10 B ON APR 10	0B ON MAR 1	5 150	1970
1971	---	3.38 B ON APR 10	0B ON MAR 1	2 530	1971
1972	---	2.80 B ON MAR 17	0B ON MAR 1	2 010	1972
1973	---	4.98 ON JUN 15	0 ON JUN 12	---	1973
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		3 630	MEAN

SKULL CREEK NEAR SKULL CREEK - STATION NO. 05HA002

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1908	---	---	---	---	---	---	0.008	0.003	0.004	0.063	---	---	---	1908
1909	---	---	---	---	1.13	1.83	0.337	0.091	0.058	0.140	---	---	---	1909
1910	---	---	---	0.123	0.087	0.034	0.004	0.008	0.045	0.088	---	---	0.052	1910
1911	---	---	---	0.437	0.077	0.038	0.036	0.023	0.085	0.085	---	---	0.104	1911
1912	---	---	---	1.18	0.217	0.118	0.050	0.031	0.048	0.048	---	---	0.225	1912
1913	---	---	---	0.610	0.075	0.036	0.026	0.004	0.023	0.063	---	---	0.144	1913
1914	---	---	---	0.383	0.065	0.033	0.002	0	0.021	0.114	---	---	0.088	1914
MEAN	---	---	---	0.583	0.274	0.398	0.087	0.018	0.037	0.078	---	---	0.124	MEAN

LOCATION - LAT 49 54 05 N, LONG 106 55 55 W DRAINAGE AREA, 102 km^2 NATURAL FLOW

SKULL CREEK NEAR SKULL CREEK - STATION NO. 05HA002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1908	---	---	0 ON JUL 11 *	---	1908
1909	---	---	---	---	1909
1910	---	0.161 ON MAY 16	0 ON JUN 29	871	1910
1911	---	2.10 ON APR 10	0.008 ON SEP 1	1 810	1911
1912	---	2.84 ON APR 8 *	0.008 ON AUG 10	4 350	1912
1913	---	2.07 ON APR 8	0 ON JUL 31	2 680	1913
1914	---	1.30 B ON APR 1	0 ON JUL 4	1 590	1914
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		2 300	MEAN

SMALL DITCH NEAR CYPRESS - STATION NO. 05HA025

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1918	---	---	0	0.045	0.081	0.031	0.017	---	---	---	---	---	---	1918
1919	---	---	---	---	---	---	---	---	---	---	---	---	---	1919
1920	---	---	---	---	---	---	---	---	---	---	---	---	---	1920
MEAN	---	---	0	0.045	0.081	0.031	0.017	---	---	---	---	---	---	MEAN

LOCATION - LAT 49 44 55 N
LONG 109 34 29 W REGULATED

SMALL DITCH NEAR CYPRESS - STATION NO. 05HA025

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1918	---	---	0 ON MAR 1 *	---	1918
1919	---	---	OR ON AUG 5	---	1919
			OR ON MAY 23		
1920	---	---	OR ON AUG 26	---	1920
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN
		B - REVISED SINCE JAN 01 1987			

SMITH CREEK NEAR MARCHWELL - STATION NO. 05ME007

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1975	---	---	0	0.573	0.312	0.020	0	0	0.004	0.013	---	---	0.114	1975
1976	---	---	0	2.42	0.234	0.043	0.003	0	0	0	---	---	0.331	1976
1977	---	---	0.010	0.017	0.017	0	0.023	0.014	0.002	0.002	---	---	0.011	1977
1978	---	---	0.047	0.346	0.026	0	0	0.005	0.001	0.002	---	---	0.083	1978
1979	---	---	0	1.89	1.48	0.040	0	0	0	0	---	---	0.421	1979
1980	---	---	0	0.378	0.002	0	0	0	0	0	---	---	0.068	1980
1981	---	0.032	0.023	0.001	0	0	0	0	0	0	---	---	0.002	1981
1982	---	---	0.013	0.081	0.018	0	0	0	0	0	---	---	0.014	1982
1983	---	---	0	0.787	0.241	0.008	0.004	0	0	0	---	---	0.128	1983
1984	---	---	0.004	0.041	0.003	0	0	0	0	0	---	---	0.017	1984
1985	---	---	0.001	2.41	0.128	0.001	0	0	0.002	0.003	---	---	0.312	1985
1986	---	---	0.518	1.32	0.043	0.002	0.002	0.015	0	0.001	---	---	0.238	1986
1987	---	---	0.004	1.71	0.030	0.003	0	0	0	0	---	---	0.214	1987
1988	---	---	0.008	0.897	0.182	0.001	0	0	0	0	---	---	0.110	1988
MEAN	---	0.032	0.051	0.903	0.193	0.008	0.002	0.002	0.001	0.002	---	---	0.163	MEAN

LOCATION - LAT 50 49 58 N DRAINAGE AREA, 435 km^2
LONG 101 34 43 W NATURAL FLOW

SMITH CREEK NEAR MARCHWELL - STATION NO. 05ME007

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1975	3.09 AT 04:21 CST ON APR 18	2.58 ON APR 18	00 ON MAR 1 *	2 420	1975
1976	7.08 AT 09:31 CST ON APR 9	5.61 ON APR 9	00 ON MAR 1	7 000	1976
1977	---	0.116 ON JUL 16	00 ON MAR 1	224	1977
1978	1.30 B AT 08:25 CST ON APR 1	0.7738 ON APR 1	00 ON MAR 1	1 120	1978
1979	7.24 AT 08:13 CST ON APR 22 *	5.63 ON APR 22 *	00 ON MAR 1	6 910	1979
1980	2.72 B AT 21:48 CST ON APR 5	1.86 B ON APR 6	00 ON MAR 1	974	1980
1981	---	0.0808 ON MAR 1	0A ON APR 8	83.8	1981
1982	0.7028 AT 14:40 CST ON APR 13	0.4708 ON APR 14	00 ON MAR 1	282	1982
1983	4.60 AT 02:24 CST ON APR 21	4.05 ON APR 21	00 ON MAR 1	2 870	1983
1984	0.711 AT 02:30 CST ON MAR 27	0.523 ON MAR 27	00 ON MAR 1	386	1984
1985	5.22 AT 21:46 CST ON APR 14	4.72 ON APR 15	00 ON MAR 1	6 810	1985
1986	5.28 AT 03:06 CST ON MAR 31	5.03 ON MAR 31	00 ON MAR 1	4 980	1986
1987	5.38 B AT 00:40 CST ON APR 5	5.05 ON APR 6	00 ON MAR 1	4 530	1987
1988	---	2.20 B ON APR 4	0 ON JUN 7	2 320	1988
				3 030	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

SMITH TRIBUTARY NEAR FISKE - STATION NO. 05MP018

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1970	---	---	0	0.026	0.001	0.001	0	0	0	0	---	---	0.003	1970
1971	---	---	0	0.018	0	0	0.002	0	0	0	---	---	0.002	1971
1972	---	---	0.001	0.001	0	0	0	0	0	0	---	---	0	1972
1973	---	---	0.002	0	0	0	0	0	0	0	---	---	0	1973
1974	---	---	0	0.015	0.003	0.003	0.001	0	0	0	---	---	0.003	1974
1975	---	---	0	0.013	0.001	0	0	0	0	0	---	---	0.002	1975
1976	---	---	0.004	0.002	0	0	0	0	0	0	---	---	0.001	1976
1977	---	---	0	0	0	0	0	0	0	0	---	---	0	1977
1978	---	---	0.001	0.002	0.001	0	0	0	0	0	---	---	0	1978
1979	---	---	0.002	0.003	0	0	0	0	0	0	---	---	0.001	1979
MEAN	---	---	0.001	0.007	0.001	0	0	0	0	0	---	---	0.001	MEAN

LOCATION - LAT 51 25 07 N, LONG 106 27 57 W DRAINAGE AREA, 0.78 km^2, NATURAL FLOW

SMITH TRIBUTARY NEAR FISKE - STATION NO. 05MP018

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1970	0.4818 AT 17:50 CST ON APR 8	0.1068 ON APR 8	00 ON MAR 1 *	57.0	1970
1971	1.08 AT 01:30 CST ON JUL 24 *	0.147A ON APR 8 *	00 ON MAR 1	47.3	1971
1972	0.0378 AT 08:53 CST ON MAR 19	0.0068 ON MAR 19	00 ON MAR 1	4.84	1972
1973	0.018 AT 18:16 CST ON MAR 20	0.006 ON MAR 17	0 ON MAR 1	4.56	1973
1974	0.284 AT 10:16 CST ON JUN 28	0.064 ON APR 18	00 ON MAR 1	58.1	1974
1975	0.147A AT 17:53 CST ON APR 18	0.068A ON APR 19	00 ON MAR 1	35.6	1975
1976	0.160 AT 17:59 CST ON MAR 31	0.036 ON MAR 31	00 ON MAR 1	18.0	1976
1977	0.013 AT 22:04 CST ON MAY 19	0.002 ON MAY 19	0 ON MAR 1	0.62	1977
1978	0.026 AT 20:26 CST ON MAY 24	0.012 ON MAR 30	00 ON MAR 1	19.2	1978
1979	0.144 AT 21:48 CST ON APR 18	0.030 ON APR 18	00 ON MAR 1	14.3	1979
				24.8	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

SMOOTHSTONE RIVER BELOW EMMELINE LAKE - STATION NO. 06CC001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1978	---	---	---	---	---	---	---	9.14	14.9	15.9	10.1	4.75	---	1978
1979	4.61	4.08	4.00	9.67	38.9	30.6	18.0	11.3	12.9	13.5	10.1	6.17	13.6	1979
1980	5.01	4.67	4.04	5.70	5.61	3.58	5.82	11.4	41.6	39.5	18.9	8.04	13.7	1980
1981	6.33	5.77	4.88	10.8	33.2	17.5	11.5	8.87	6.41	3.78	3.81	3.03	9.34	1981
1982	2.09	1.63	1.73	4.08	15.2	15.6	8.38	15.8	10.8	8.61	7.78	5.04	8.27	1982
1983	5.25	4.27	3.97	5.70	18.4	25.4	30.2	12.6	8.93	8.58	7.34	5.16	11.2	1983
1984	3.63	3.01	2.80	8.63	21.8	27.9	12.2	8.23	7.58	9.78	8.40	4.52	9.48	1984
1985	2.86	2.62	2.55	19.1	58.7	41.1	28.8	10.5	8.84	7.80	8.14	4.41	15.8	1985
1986	4.00	3.43	3.05	8.42	23.5	25.4	24.4	28.8	10.0	7.82	8.97	6.45	12.3	1986
1987	4.85	3.81	4.27	23.8	36.3	18.2	16.8	17.0	11.1	7.45	8.41	3.70	13.0	1987
1988	3.04	2.68	3.28	8.89	28.0	16.8	11.9	13.9	13.6	7.07	8.48	3.68	9.71	1988
MEAN	4.17	3.64	3.78	10.1	27.5	22.4	16.0	13.0	13.1	11.5	7.75	4.88	11.6	MEAN

LOCATION - LAT 55 09 48 N, LONG 105 12 25 W DRAINAGE AREA, 6 020 km^2, REGULATED

SMOOTHSTONE RIVER BELOW ENNELINE LAKE - STATION NO. 08CC001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1978	---	---	---	---	1978
1979	51.4 AT 03:29 CST ON MAY 29	51.1 ON MAY 28	3.578 ON MAR 25	429 000	1979
1980	52.7 AT 18:53 CST ON SEP 28	52.5 ON SEP 28	3.13 ON JUN 18	402 000	1980
1981	42.0 AT 21:31 CST ON MAY 8	42.0 ON MAY 8	2.685 ON DEC 31	294 000	1981
1982	19.4 AT 17:34 CST ON AUG 16	18.3 ON AUG 15	1.589 ON FEB 17 *	261 000	1982
1983	41.1 AT 23:48 CST ON JUL 8	41.0 ON JUL 8	3.12A ON APR 6	354 000	1983
1984	42.7 AT 05:14 CST ON MAY 29	42.6 ON MAY 28	2.548 ON FEB 6	289 000	1984
1985	78.0 AT 04:52 CST ON MAY 9 *	76.8 ON MAY 9 *	2.159 ON MAR 21	500 000	1985
1986	43.0 AT 22:45 CST ON MAY 25	42.4 ON AUG 5	2.808 ON FEB 21	387 000	1986
1987	52.8 AT 18:05 CST ON APR 30	52.2 ON APR 30	3.108 ON DEC 31	411 000	1987
1988	33.9 AT 11:30 CST ON MAY 12	33.7 ON MAY 11	2.438 ON DEC 27	307 000	1988
				384 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

SNAKEBITE CREEK NEAR BEECHY - STATION NO. 05HE001

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1970	---	---	0.030	3.89	0.082	0.151	0.018	0	0	0	---	---	0.477	1970
1971	---	---	0.019	2.11	0.011	0.048	0.029	0	0	0	---	---	0.272	1971
1972	---	---	0.084	0.013	0.008	0.001	0	0	0	0	---	---	0.013	1972
1973	---	---	0.088	0.018	0.015	0	0	0	0	0	---	---	0.015	1973
1974	---	---	0	1.81	0.385	0.020	0.004	0.002	0	0.002	---	---	0.278	1974
1975	---	---	0.028	3.20	0.127	0.020	0	0	0	0	---	---	0.413	1975
1976	---	---	1.93	1.31	0.025	0.248	0.034	0.004	0	0	---	---	0.443	1976
1977	---	---	0.003	0.018	0.004	0	0	0	0	0	---	---	0.003	1977
1978	---	---	0.310	0.182	0.234	0.008	0	0	0	0	---	---	0.090	1978
1979	---	---	0.088	0.327	0.017	0.004	0	0	0	0	---	---	0.054	1979
1980	---	---	0.281	0.048	0	0	0	0	0	0	---	---	0.041	1980
1981	---	0.344	0.021	0	0	0.011	0.003	0	0	0	---	---	0.004	1981
1982	---	---	0.001	3.18	0.164	0.111	0.002	0	0	0	---	---	0.421	1982
1983	---	0.002	0.818	0.144	0.020	0.001	0.150	0.002	0	0	---	---	0.118	1983
1984	---	---	0.224	0.013	0.002	0	0	0	0	0	---	---	0.030	1984
1985	---	---	1.42	0.187	0	0	0	0	0	0	---	---	0.202	1985
1986	---	0.015	0.129	0	0	0	0	0	0	0	---	---	0.018	1986
1987	---	---	1.28	0.183	0.001	0	0	0	0	0	---	---	0.181	1987
1988	---	---	0	0	0	0	0	0	0	0	---	---	0	1988
MEAN	---	0.120	0.363	0.857	0.058	0.034	0.013	0	0	0	---	---	0.161	MEAN

LOCATION - LAT 50 48 08 N DRAINAGE AREA, 891 km^2
LONG 107 16 31 W NATURAL FLOW

SNAKEBITE CREEK NEAR BEECHY - STATION NO. 05HE001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1970	22.5 AT 03:28 CST ON APR 9	18.9 ON APR 9 *	0B ON MAR 1 *	10 100	1970
1971	13.6 AT 02:07 CST ON APR 7	8.12 ON APR 8	0B ON MAR 1	5 750	1971
1972	1.15 B AT 07:40 CST ON MAR 22	0.6438 ON MAR 21	0B ON MAR 1	283	1972
1973	1.80 B AT 05:35 CST ON MAR 12	0.8379 ON MAR 12	0B ON MAR 1	320	1973
1974	18.7 B AT 21:45 CST ON APR 18	12.3 B ON APR 19	0B ON MAR 1	5 820	1974
1975	15.3 B AT 02:37 CST ON APR 18	12.0 B ON APR 18	0B ON MAR 1	4 750	1975
1976	18.6 AT 00:34 CST ON APR 1	13.5 B ON MAR 31	0B ON MAR 1	5 380	1976
1977	0.0548 AT 23:02 CST ON APR 6	0.0428 ON APR 7	0B ON MAR 1	57.8	1977
1978	11.3 AT 08:51 CST ON MAY 25	8.01 ON MAY 25	0B ON MAR 1	1 800	1978
1979	1.88 AT 16:16 CST ON APR 18	1.68 ON APR 18	0B ON MAR 1	1 140	1979
1980	4.88 AT 08:04 CST ON MAR 28	3.38 ON MAR 28	0B ON MAR 1	670	1980
1981	---	0.189 ON JUN 14	0B ON MAR 23	92.1	1981
1982	23.6 AT 23:49 CST ON APR 16 *	17.1 ON APR 17	0B ON MAR 1	8 800	1982
1983	10.8 AT 06:34 CST ON MAR 31	7.63 B ON MAR 30	0 ON JUN 10	2 500	1983
1984	1.87 B AT 07:28 CST ON MAR 21	1.31 B ON MAR 21	0B ON MAR 1	838	1984
1985	10.6 B AT 02:16 CST ON MAR 20	7.56 B ON MAR 20	0 ON MAY 3	4 280	1985
1986	1.16 B AT 10:00 CST ON MAR 3	0.8969 ON MAR 2	0B ON MAR 25	265	1986
1987	12.1 AT 07:24 CST ON MAR 5	7.32 B ON MAR 5	0B ON MAR 1	3 840	1987
1988	---	0 ON MAR 1	0 ON MAR 1	0	1988
				3 430	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

SNIPE LAKE NORTH INFLOW - STATION NO. 05HC003

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1980	---	---	0.120	0.011	0	0	0	0	0	0	---	---	0.017	1980
1981	---	---	0.017	0	0	0	0	0	0	0	---	---	0.002	1981
1982	---	---	0.002	0.117	0	0	0	0	0	0	---	---	0.015	1982
1983	---	---	0.041	0.001	0	0.001	0.016	0	0	0	---	---	0.007	1983
1984	---	---	0.029	0.048	0	0	0	0	0	0	---	---	0.008	1984
1985	---	---	0	0.774	0.018	0.002	0	0	0	0	---	---	0.087	1985
1986	---	---	0.230	0.036	0.002	0.035	0.002	0	0	0	---	---	0.039	1986
1987	---	---	0	0.136	0.136	0.001	0	0	0	0	---	---	0.034	1987
1988	---	---	0.036	0	0	0	0	0	0.005	0	---	---	0.005	1988
1989	---	---	0	0.814	0	0	0	0	0	0	---	---	0.100	1989
1970	---	---	0	0.588	0.002	0.047	0.093	0.005	0	0	---	---	0.081	1970
1971	---	---	0	0.527	0.006	0	0	0	0	0	---	---	0.068	1971
1972	---	---	0.068	0.078	0.002	0	0	0	0	0	---	---	0.018	1972
1973	---	---	0.111	0.026	0.003	0	0	0	0	0	---	---	0.017	1973
1974	---	---	0	0.553	0.188	0.008	0.005	0	0	0	---	---	0.081	1974
1975	---	---	0	0.345	0.045	0.006	0	0	0	0	---	---	0.049	1975
1976	---	---	0	0.176	0.005	0	0.001	0	0	0	---	---	0.022	1976
1977	---	---	0	0	0.003	0	0	0	0	0	---	---	0	1977
1978	---	---	0	0.044	0.003	0	0.002	0	0	0	---	---	0.006	1978
1979	---	---	0.040	0.040	0.005	0	0.021	0	0	0	---	---	0.013	1979
1980	---	---	0.057	0.018	0	0	0	0	0	0	---	---	0.011	1980
1981	---	0.004	0.028	0.002	0	0	0	0	0	0	---	---	0.003	1981
1982	---	---	0	0.182	0.012	0.002	0	0	0	0	---	---	0.024	1982
1983	---	---	0.138	0.067	0.005	0	0.038	0	0	0	---	---	0.031	1983
1984	---	---	0.033	0.012	0	0.002	0	0	0	0	---	---	0.008	1984
1985	---	---	0.021	0.486	0.007	0	0	0	0	0	---	---	0.083	1985
1986	---	---	0.134	0.017	0.005	0	0	0	0	0	---	---	0.020	1986
1987	---	---	0.071	0.010	0	0	0	0	0	0	---	---	0.010	1987
1988	---	---	0	0	0	0	0	0	0	0	---	---	0	1988
MEAN	---	0.004	0.041	0.178	0.015	0.004	0.008	0	0	0	---	---	0.030	MEAN

LOCATION - LAT 51 21 16 N LONG 108 51 48 W
DRAINAGE AREA, 44.0 km²
REGULATED

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1988

SNIPE LAKE NORTH INFLOW - STATION NO. 05HC003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1980	---	0.7838 ON MAR 20	0B ON MAR 1 *	350	1980
1981	0.2838 AT 01:00 ON MAR 23	0.1868 ON MAR 23	0B ON MAR 1	45.4	1981
1982	---	0.6188 ON APR 6	0B ON MAR 1	306	1982
1983	3.06 AT 22:45 ON JUL 10	0.445 ON MAR 23	0B ON MAR 1	153	1983
1984	---	0.695A ON MAR 31	0B ON MAR 1	187	1984
1985	---	5.13 B ON APR 12 *	7.3 ON MAR 1	2 070	1985
1986	2.69 AT 01:00 ON MAR 26	1.73 ON MAR 26	0B ON MAR 1	818	1986
1987	2.12 AT 01:15 ON APR 27	1.30 ON APR 27	0 ON MAR 1	717	1987
1988	---	0.238 ON MAR 4	0B ON MAR 12	116	1988
1989	6.85 AT 24:00 CST ON APR 10	4.63 ON APR 11	0B ON MAR 1	2 110	1989
1970	8.50 AT 22:31 CST ON APR 8 *	3.98 ON APR 7	0B ON MAR 1	1 810	1970
1971	3.43 B AT 03:00 CST ON APR 10	2.65 B ON APR 10	0B ON MAR 1	1 380	1971
1972	1.47 B AT 18:31 CST ON MAR 22	0.7368 ON MAR 23	0B ON MAR 1	388	1972
1973	0.711B AT 22:42 CST ON MAR 22	0.4638 ON MAR 17	0B ON MAR 1	370	1973
1974	3.88 B AT 14:38 CST ON APR 18	2.70 B ON APR 18	0B ON MAR 1	1 830	1974
1975	2.88 AT 00:08 CST ON APR 22	1.74 ON APR 22	0B ON MAR 1	1 030	1975
1976	1.88 AT 21:28 CST ON APR 6	1.28 ON APR 7	0B ON MAR 1	474	1976
1977	0.042 AT 03:04 CST ON MAY 20	0.022 ON MAY 20	0 ON MAR 1	7.43	1977
1978	0.447 AT 19:37 CST ON APR 23	0.252 ON APR 23	0B ON MAR 1	128	1978
1979	2.15 AT 21:33 CST ON JUL 6	0.308 ON JUL 5	0B ON MAR 1	277	1979
1980	0.8738 AT 08:52 CST ON MAR 29	0.8278 ON MAR 29	0B ON MAR 1	239	1980
1981	0.230 AT 01:20 CST ON MAR 12	0.118R ON MAR 5	0 ON APR 17	72.6	1981
1982	1.88 B AT 18:30 CST ON APR 14	1.23 B ON APR 14	0B ON MAR 1	508	1982
1983	1.04 B AT 23:03 CST ON MAR 28	0.821B ON MAR 30	0B ON MAR 1	857	1983
1984	0.463B AT 07:38 CST ON MAR 24	0.317B ON MAR 24	0B ON MAR 1	124	1984
1985	4.85 AT 22:50 CST ON APR 2	3.73 ON APR 3	0B ON MAR 1	1 340	1985
1986	1.05 B AT 01:02 CST ON MAR 22	0.674B ON MAR 22	0 ON MAY 30	418	1986
1987	0.872B AT 22:26 CST ON MAR 25	0.381B ON MAR 5	0B ON MAR 1	217	1987
1988	0.008 AT 19:07 CST ON APR 4	0.008 ON APR 5	0 ON MAR 1	1.04	1988
				833	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD
R - REVISED SINCE JAN 01 1987

SOURIS RIVER AT WEYBURN - STATION NO. 05NB026

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1916	---	---	---	---	1.98	0.398	0.080	0.041	0.023	0.010	0	0	---	1916
1917	0	0	0	2.17	1.10	0.488	0.044	0	0	0	0	0	0.314	1917
1918	0	0	0.001	0.001	0	0.003	0	0	0	0	0	0	0	1918
1919	0	0	0	0.026	0	0	0	0	0	---	---	---	---	1919
MEAN	0	0	0	0.732	0.770	0.214	0.026	0.010	0.006	0.003	0	0	0.157	MEAN

LOCATION - LAT 49 39 25 N LONG 103 51 35 W
DRAINAGE AREA, 2 240 km²
REGULATED

SOURIS RIVER AT WEYBURN - STATION NO. 05NB028

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1916	---	---	---	---	1916
1917	---	5.81 ON APR 12 *	0 ON JAN 1 *	9 900	1917
1918	---	0.009 ON JUN 28	0 ON JAN 1	13.0	1918
1919	---	0.374 ON APR 18	0 ON JAN 1	---	1919
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		4 980	MEAN

SOURIS RIVER NEAR BECHARD - STATION NO. 05NB031

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1965	---	---	---	0.480	---	---	---	---	---	---	---	---	---	1965
1966	---	---	1.17	0.385	0	---	---	---	---	---	---	---	---	1966
1967	---	---	---	2.13	0.413	---	---	---	---	---	---	---	---	1967
1968	---	---	0.083	---	---	---	---	---	---	---	---	---	---	1968
1969	---	---	---	8.86	---	---	---	---	---	---	---	---	---	1969
1970	---	---	---	2.51	2.90	0.978	---	---	---	---	---	---	---	1970
1971	---	---	---	5.48	---	---	---	---	---	---	---	---	---	1971
1972	---	---	---	1.47	---	---	---	---	---	---	---	---	---	1972
1974	---	---	---	---	3.88	---	---	---	---	---	---	---	---	1974
1975	---	---	0	12.9	10.1	0.888	0.035	0	0	0	---	---	2.92	1975
1976	---	---	0	22.3	1.23	4.74	0.587	0.533	0.082	0.018	---	---	3.82	1976
1977	---	---	0	0.004	0.004	0	0	0	0	0	---	---	0.001	1977
1978	---	---	0.148	0.742	0.049	0.001	0.041	0.088	0.078	0.011	---	---	0.140	1978
1979	---	---	0	5.31	3.82	0.347	0.378	0	0	0	---	---	1.24	1979
1980	---	---	0.048	0.937	0.001	0	0	0	0	0	---	---	0.121	1980
1981	---	---	0.007	0.001	0	0	0	0	0	0	---	---	0.001	1981
1982	---	---	0	8.98	2.13	0.179	0.159	0.098	0	0	---	---	1.42	1982
1983	---	---	0	8.13	1.30	1.21	0.764	0.142	0	0	---	---	1.18	1983
1984	---	---	0.057	0.108	0	0.083	0	1.18	0.010	0.004	---	---	0.182	1984
1985	---	---	2.11	1.48	0.032	0	0	0	0	0	---	---	0.453	1985
1986	---	---	0.621	0.072	1.27	0	0	0	0	0	---	---	0.249	1986
1987	---	---	0.228	0.133	0	0	0	0	0	0	---	---	0.048	1987
1988	---	---	0	0	0	0	0	0	0	0	---	---	0	1988
MEAN	---	---	0.279	3.87	1.81	0.540	0.140	0.144	0.012	0.002	---	---	0.827	MEAN

LOCATION - LAT 49 58 20 N DRAINAGE AREA, 1 070 km^2
LONG 104 11 24 W REGULATED

REMARKS - DATA PRIOR TO 1981 PUBLISHED UNDER THE NAME "SOURIS RIVER BELOW LEWVAN"

SOURIS RIVER NEAR BECHARD - STATION NO. 05NB031

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1965	---	---	---	---	1965
1966	---	---	---	---	1966
1967	---	---	---	---	1967
1968	---	---	---	---	1968
1969	---	---	---	---	1969
1970	---	---	---	---	1970
1971	---	---	---	---	1971
1972	---	---	---	---	1972
1974	---	---	---	---	1974
1975	75.0 AT 20:50 CST ON APR 28	64.6 ON APR 29	0B ON MAR 1 *	81 900	1975
1976	---	94.6 ON APR 8 *	0B ON MAR 1	79 500	1976
1977	---	0.085 ON MAY 19	0B ON MAR 1	19.0	1977
1978	---	3.57 B ON MAR 31	0B ON MAR 1	2 870	1978
1979	35.6 B AT 23:00 CST ON APR 22	31.3 B ON APR 23	0B ON MAR 1	28 200	1979
1980	5.32 AT 07:28 CST ON APR 2	4.58 B ON APR 1	0B ON MAR 1	2 880	1980
1981	0.065 AT 15:42 CST ON MAR 17	0.041 ON MAR 17	0 ON MAR 1	21.8	1981
1982	84.6 B AT 02:03 CST ON APR 18 *	76.9 B ON APR 18	0B ON MAR 1	30 200	1982
1983	47.6 AT 02:38 CST ON APR 20	42.6 ON APR 20	0B ON MAR 1	25 000	1983
1984	8.34 AT 20:44 CST ON AUG 2	7.03 ON AUG 3	0B ON MAR 1	3 860	1984
1985	18.3 B AT 02:00 CST ON MAR 20	13.2 B ON MAR 20	0B ON MAR 1	9 580	1985
1986	7.80 AT 16:53 CST ON MAY 10	7.23 ON MAY 10	0B ON MAR 1	5 280	1986
1987	2.33 B AT 06:27 CST ON MAR 26	1.59 B ON MAR 26	0B ON MAR 1	985	1987
1988	---	0 ON MAR 1	0 ON MAR 1	0	1988
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		17 500	MEAN

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1911	---	---	---	---	---	---	0.134	0.042	0.084	1.15	---	---	---	1911
1912	---	---	---	---	9.25	1.09	0.374	0.145	0.085	0.188	0.125	0.084	---	1912
1913	0.005	0.089	1.10	5.95	0.490	0.351	0.808	0.120	0.019	0.030	0.083	0.027	0.705	1913
1914	0.008	0.014	2.42	5.87	1.84	4.41	0.407	0.083	0.024	0.038	0.022	0.028	1.28	1914
1915	0.028	0.052	0.053	0.085	0.085	0.028	0.034	0.008	0.001	0.001	0.012	0.020	0.031	1915
1916	0.018	0.044	0.078	33.0	5.85	1.27	0.773	0.307	0.088	0.083	0.084	0.043	3.52	1916
1917	0.014	0.015	0.858	11.6	8.14	0.985	0.415	0.048	0.014	0.018	0.033	0.008	1.88	1917
1918	0.003	0.015	2.85	2.53	1.21	0.147	0.025	0.080	0.014	0.011	0.028	0.015	0.584	1918
1919	0.021	0.020	0.024	9.33	0.782	0.058	0.108	0.004	0.001	0.001	0.013	0	0.854	1919
1920	0	0	0	28.8	5.81	0.324	0.038	0.003	0.001	0.005	0.021	0.018	2.88	1920
1921	0.008	0.008	0.440	0.518	0.271	4.21	4.70	0.388	0.107	0.088	0.035	0.021	0.901	1921
1922	0.011	0.022	1.27	14.1	5.82	1.01	0.438	0.021	0.012	0.024	0.052	0.038	1.48	1922
1923	0.017	0.009	0.420	18.2	2.18	---	---	---	---	---	---	---	---	1923
1933	---	---	---	1.58	5.17	5.83	0.347	0.018	0	0	0	0	---	1933
1934	0	0	0.635	0.702	0.053	0.185	0.015	0	0	0	0	0	0.133	1934
1935	0	0	0.002	1.20	0.803	0.188	0.009	0	0	0	0	0	0.183	1935
1936	0	0	0.008	11.1	2.30	0.217	0.018	0	0	0	0	0	1.13	1936
1937	0	0	0	0	0	0.042	0.022	0	0	0	0	0	0.005	1937
1938	0	0	8.09	1.78	0.954	0.085	0.034	0	0	0	0	0	0.921	1938
1939	0	0	10.0	7.18	0.218	0.041	0.001	0	0	0	0	0	1.48	1939
1940	0	0	0	0.008	0.049	0.022	0	0	0	0	0	0	0.007	1940
1941	0	0	0.378	10.4	2.14	0.783	0.082	0.008	0.188	0.285	0.178	0.083	1.20	1941
1942	0.005	0.028	1.78	10.5	2.58	0.842	0.383	0.232	0.077	0.077	0.087	0.032	1.38	1942
1943	0.025	0.008	2.70	57.4	4.68	2.62	0.729	0.135	0.010	0.014	0.018	0.008	5.84	1943
1944	0.008	0.002	0	0.171	0.308	3.89	2.84	0.895	0.385	0.137	0.042	0.023	0.707	1944
1945	0.025	0.030	0.042	0.225	0.081	0.029	0.030	0.004	0	0	0	0.008	0.038	1945
1946	0.010	0.003	4.38	1.81	0.108	0.050	0.131	0	0	0	0	0	0.547	1946
1947	0	0.001	2.77	26.8	5.18	1.03	0.885	0.020	0.387	0.221	0.148	0.111	3.11	1947
1948	0.101	0.088	0.082	42.8	24.7	2.31	0.974	0.187	0.014	0.018	0.034	0.021	5.92	1948
1949	0.024	0.022	0.080	10.4	0.808	0.285	0.041	0.033	0.008	0.004	0.050	0.008	0.952	1949
1950	0.008	0.008	0.884	15.2	3.15	1.87	0.333	0.033	0.008	0.010	0	0	1.78	1950
1951	0	0	0.028	20.8	27.8	1.84	0.184	0.078	0.143	0.285	0.177	0.089	4.30	1951
1952	0.080	0.073	0.707	13.3	0.882	0.081	0.107	0.023	0.041	0	0.026	0.009	1.28	1952
1953	0.001	0	0.844	2.00	2.01	22.3	20.3	2.87	0.300	---	---	---	---	1953
1954	---	---	---	1.84	1.33	2.84	0.884	0.018	0.038	0.187	---	---	---	1954
1955	---	---	0.807	28.4	13.1	2.84	0.378	0	0	0	---	---	---	1955
1980	---	---	---	---	---	0.163	0.091	0.011	0.083	0.009	---	---	---	1980
1981	---	---	0.008	0.011	0.011	0.002	0	0	0	0	---	---	---	1981
1982	---	---	0	0.004	0.788	0.078	0.003	0.001	0	0	---	---	---	1982
1983	---	---	0.004	0.085	0.028	0.201	0.143	0.283	0.101	0.082	---	---	---	1983
1984	---	---	0.018	5.78	1.04	0.185	0.300	0.012	0.008	0.008	---	---	---	1984
1985	---	---	0.038	4.80	13.4	5.18	1.73	0.832	0.288	0.282	---	---	---	1985
1986	---	---	9.72	4.82	0.883	0.034	0.008	0.018	0.018	0.081	---	---	---	1986
1987	---	---	0.338	5.24	5.85	0.229	0.123	0.028	0.184	0.178	---	---	---	1987
1988	---	---	0.284	0.080	0.178	0.088	0.007	0.124	0.008	0.001	---	---	---	1988
1989	---	---	4.78	82.3	11.1	0.820	2.37	0.190	0.388	0.388	---	---	---	1989
1990	---	---	0.088	8.18	41.5	5.48	1.39	0.891	0.211	0.287	---	---	---	1990
MEAN	0.013	0.018	1.38	10.8	4.73	1.78	0.821	0.188	0.070	0.081	0.040	0.021	1.84	MEAN

LOCATION - LAT 49 06 05 N DRAINAGE AREA, 11 300 km²
LONG 102 58 10 W REGULATED

SOURIS RIVER NEAR ESTEVAN - STATION NO. 05NB007

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1911	---	---	---	---	1911
1912	---	---	---	---	1912
1913	---	15.1 ON APR 5	0 ON JAN 7 *	22 400	1913
1914	---	17.4 ON JUN 7	0.0028 ON JAN 3	38 800	1914
1915	---	0.252 ON JUL 10	0 ON AUG 30	988	1915
1916	---	60.7 ON APR 18	0.013 ON JAN 8	111 000	1916
1917	---	19.8 ON MAY 2	0 B ON DEC 20	53 100	1917
1918	---	16.3 ON MAR 24	0 B ON JAN 4	17 800	1918
1919	---	20.3 B ON APR 5	0 ON SEP 18	28 900	1919
1920	---	48.5 ON APR 25	0 B ON JAN 1	84 700	1920
1921	---	23.2 ON JUN 29	0.0018 ON FEB 19	28 400	1921
1922	---	30.8 ON APR 11	0.0018 ON JAN 10	89 400	1922
1923	---	47.8 ON APR 18	0.0088 ON FEB 9	---	1923
1933	---	38.0 ON MAY 31	0 E ON AUG 17	---	1933
1934	---	1.81 ON MAR 20	0 ON JAN 1	4 180	1934
1935	---	5.15 ON APR 21	0 ON JAN 1	5 770	1935
1936	---	38.5 ON APR 19	0 ON JAN 1	35 700	1936
1937	---	0.880 ON JUN 18	0 ON JAN 1	188	1937
1938	---	30.8 ON MAR 24	0 ON JAN 1	28 100	1938
1939	---	45.3 ON MAR 26	0 ON JAN 1	45 200	1939
1940	---	0.099 ON MAY 7	0 ON JAN 1	212	1940
1941	---	27.0 ON APR 9	0 ON JAN 1	37 800	1941
1942	---	26.4 ON APR 9	0 ON JAN 8	43 400	1942
1943	---	135 ON APR 5	0 ON FEB 7	178 000	1943
1944	---	16.8 ON JUN 29	0 ON JAN 8	22 400	1944
1945	---	0.382 ON APR 7	0 ON AUG 13	1 180	1945
1948	---	10.1 ON MAR 15	0 ON FEB 10	17 300	1948
1947	---	48.3 ON APR 17	0 ON JAN 1	88 100	1947
1948	---	215 ON APR 24 *	0 ON SEP 23	187 000	1948
1949	---	32.3 ON APR 5	0 ON SEP 18	30 000	1949
1950	---	30.3 ON APR 22	0 ON MAR 19	55 200	1950
1951	---	71.8 ON MAY 2	0 ON JAN 1	138 000	1951
1952	---	33.4 ON APR 11	0 ON JUN 18	39 800	1952
1953	---	46.2 ON JUL 4	0 ON JAN 2	---	1953
1954	---	6.06 ON JUN 8	0 ON AUG 11	---	1954
1955	---	53.8 ON APR 8	0 ON MAR 1	---	1955
1960	---	---	0 ON JUN 17	---	1960
1961	---	0.023 ON APR 20	0 ON JUN 21	---	1961
1962	4.98 AT 08:30 CST ON MAY 20	4.30 ON MAY 17	0 ON MAR 1	---	1962
1963	1.44 AT 08:00 CST ON AUG 28	1.16 ON AUG 28	0 B ON MAR 1	---	1963
1964	18.3 AT 14:00 CST ON APR 14	18.1 ON APR 14	0.008 ON MAR 1	---	1964
1965	---	34.0 E ON MAY 31	---	---	1965
1966	---	25.5 E ON MAR 19	0 ON OCT 28	---	1967
1967	18.4 AT 09:00 CST ON MAY 12 *	18.0 ON MAY 11	0 B ON MAR 10	---	1968
1968	0.884 AT 21:00 CST ON MAR 8	0.885 ON MAR 8	0.001 ON JUN 25	---	1969
1969	---	107 E ON APR 15	0 ON SEP 4	---	
1970	---	89.4 E ON MAY 9	0 ON SEP 20	---	1970
				48 700	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SOURIS RIVER NEAR GLEN EWEN - STATION NO. 05ND001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1911	---	---	---	---	---	---	0.473	0.418	0.528	2.05	---	---	---	1911
1912	---	---	---	---	14.8	3.09	0.883	0.448	0.284	0.347	---	---	---	1912
1913	---	---	---	17.9	2.87	1.17	1.31	0.484	0.288	0.822	---	---	---	1913
1914	---	---	---	8.30	5.18	4.80	1.38	0.268	0.308	0.433	---	---	---	1914
1915	---	---	0.005	0.416	0.384	0.488	0.719	0.108	0.031	0.031	---	---	---	1915
1916	---	---	---	---	14.7	4.27	2.58	0.814	0.187	0.273	---	---	---	1916
1917	---	---	---	---	16.2	2.18	0.780	0.228	0.135	0.184	---	---	---	1917
1970	---	---	0.885	14.1	58.8	10.5	4.26	0.878	0.881	0.778	---	---	---	1970
1971	0.081	0.148	0.871	24.7	8.04	1.48	7.70	0.888	2.28	1.80	1.08	0.138	4.20	1971
1972	0.048	0.037	32.1	30.8	4.88	9.88	2.33	1.71	1.48	0.248	0.881	0.238	8.20	1972
1973	0.120	0.074	1.88	0.800	0.818	0.718	0.078	0.017	0.010	0.088	0.181	0.142	0.378	1973
1974	0.030	0.015	0.488	77.9	81.3	8.34	3.88	0.488	0.178	0.188	0.148	0.184	11.8	1974
1975	0.128	0.188	0.284	28.7	111	18.7	3.23	1.40	2.84	1.88	1.41	1.21	18.3	1975
1978	1.07	1.27	21.4	191	37.0	27.8	12.8	3.08	1.29	0.448	0.448	0.188	24.8	1978
1977	0.178	0.138	0.848	1.23	0.888	0.838	0.103	0.018	0.011	0.027	0.178	0.112	0.338	1977
1978	0.044	0.028	3.47	15.8	2.28	2.87	18.8	2.10	1.88	1.85	0.483	0.227	4.88	1978
1979	0.140	0.081	3.78	88.8	82.8	8.71	2.81	0.887	0.231	0.137	0.238	0.218	14.8	1979
1980	0.088	0.082	0.312	8.58	1.01	0.088	0.013	0.008	0.011	0.028	0.082	0.081	0.883	1980
1981	0.048	2.43	0.884	0.280	0.082	0.012	0	0.018	0	0.001	0.080	0.078	0.291	1981
1982	0.033	0.018	0.183	80.2	25.8	2.18	1.07	0.177	0.073	0.193	0.187	0.131	8.87	1982
1983	0.128	0.887	3.21	48.7	18.8	2.84	1.38	0.180	0.020	0.030	0.158	0.107	5.72	1983
1984	0.074	0.338	1.88	0.881	0.418	0.038	0.018	0	0	0.018	0.021	0.020	0.323	1984
1985	0.008	0.001	7.18	8.03	1.77	0.248	0.032	0.021	0.123	0.318	0.148	0.080	1.24	1985
1988	0.087	0.237	4.78	2.12	3.17	1.14	1.88	1.88	0.101	0.128	0.278	0.088	1.28	1988
1987	0.088	0.083	8.82	7.81	0.882	0.234	0.034	0.018	0.018	0.011	0.024	0.010	1.23	1987
1988	0	0	0.030	0.080	0	0	0	0	0	0	0	0	0.012	1988
MEAN	0.128	0.318	4.48	27.1	19.0	4.48	2.48	0.828	0.828	0.488	0.328	0.177	5.81	MEAN

LOCATION - LAT 48 11 02 N
LONG 102 01 42 W
DRAINAGE AREA, 22 100 km^2
REGULATED

SOURIS RIVER NEAR GLEN EWEN - STATION NO. 05NB001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)		MAXIMUM DAILY DISCHARGE (m^3/s)		MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1911	---		---		---	---	1911
1912	---		---		---	---	1912
1913	---		---		---	---	1913
1914	---		---		---	---	1914
1915	---		---		---	---	1915
1916	---		---		---	---	1916
1917	---		---		---	---	1917
1970	---		---		---	---	1970
1971	47.6	AT 08:08 CST ON APR 18	47.0	ON APR 17	0.0858 ON DEC 30	132 000	1971
1972	98.1	AT 07:34 CST ON MAR 25	97.4	ON MAR 25	0.0318 ON JAN 31	198 000	1972
1973	4.30 B	AT 18:38 CST ON MAR 15	3.94 B	ON MAR 15	0.001 ON SEP 14	11 800	1973
1974	208	AT 04:08 CST ON APR 19	200	ON APR 19	0.0138 ON FEB 4	375 000	1974
1975	204	AT 18:28 CST ON MAY 4	202	ON MAY 5	0.0858 ON MAR 2	484 000	1975
1976	411	AT 18:44 CST ON APR 8 *	388	ON APR 8 *	0.1308 ON DEC 30	777 000	1976
1977	2.15	AT 18:41 CST ON APR 16	2.14	ON APR 16	0.0048 ON SEP 4	10 800	1977
1978	47.6	AT 15:10 CST ON APR 4	46.7	ON APR 4	0.0128 ON JAN 29	128 000	1978
1979	236	AT 14:36 CST ON APR 28	235	ON APR 28	0.0208 ON FEB 8	488 000	1979
1980	17.4 B	AT 13:00 CST ON APR 3	15.5 B	ON APR 3	0.001 ON JUL 30	21 800	1980
1981	11.3 B	AT 15:08 CST ON FEB 19	9.91 B	ON FEB 20	0 ON JUL 5 *	8 190	1981
1982	158	AT 13:50 CST ON APR 16	138 B	ON APR 16	0.0018 ON FEB 21	210 000	1982
1983	72.4	AT 11:02 CST ON APR 21	70.7	ON APR 21	0.003 ON SEP 21	181 000	1983
1984	7.91 B	AT 08:20 CST ON MAR 24	7.38 B	ON MAR 24	0 ON JUL 29	10 200	1984
1985	32.2 B	AT 07:52 CST ON MAR 20	29.6 B	ON MAR 20	0 B ON FEB 19	39 200	1985
1986	14.1 B	AT 17:23 CST ON MAR 4	13.1 B	ON MAR 4	0.0038 ON FEB 10	40 700	1986
1987	31.0 B	AT 11:40 CST ON APR 3	29.6 B	ON APR 3	0 B ON DEC 24	36 800	1987
1988	0.164	AT 22:31 CST ON MAY 16	0.143	ON MAY 16	0 B ON JAN 1	372	1988
						174 000	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SOURIS RIVER NEAR MALBRITE - STATION NO. 05NB017

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1959	---	---	0.032	0.006	0	0.021	0.005	0	0.003	0.104	---	---	0.022	1959
1960	---	---	0.328	10.1	0.527	0.064	0.001	0.002	0	0	---	---	1.36	1960
1961	---	---	0.184	0.068	0	0	0	0	0	0	---	---	0.032	1961
1962	---	---	0.342	0.278	0.026	0.052	0	0	0	0	---	---	0.067	1962
1963	---	---	0.488	0.030	0.002	0.170	0.700	0.089	0.186	0.001	---	---	0.204	1963
1964	---	---	0.032	1.83	0.198	0	0.014	0	0	0	---	---	0.258	1964
1965	---	---	0	1.52	2.51	2.70	0.178	0	0.143	0.007	---	---	0.878	1965
1966	---	---	3.85	1.23	0.273	0.001	0	0	0	0	---	---	0.872	1966
1967	---	---	0.173	2.85	0.583	0.058	0.006	0	0	0	---	---	0.450	1967
1968	---	---	0.309	0.048	0.014	0	0	0.498	0.071	0.013	---	---	0.109	1968
1969	---	---	0.138	24.8	5.50	0.138	0.803	0.033	0.012	0.047	---	---	3.86	1969
1970	---	---	0.087	4.98	11.2	1.88	0.582	0.180	0.008	0.015	---	---	2.38	1970
1971	---	---	0.241	12.0	2.03	0.181	1.20	0.025	0.110	0.080	---	---	1.85	1971
1972	---	---	5.34	2.20	0.177	0.074	0.018	0.015	0.013	0.001	---	---	0.883	1972
1973	---	---	0.118	0.045	0.018	0.030	0.005	0	0.135	0.018	---	---	0.044	1973
1974	---	---	0	27.9	15.1	0.885	0.021	0.042	0.013	0.011	---	---	5.44	1974
1975	---	---	0.013	28.8	32.7	1.88	0.192	0.108	0.084	0.080	---	---	7.80	1975
1976	---	---	2.80	53.1	7.03	13.7	2.82	1.01	0.180	0.088	---	---	8.86	1976
1977	---	---	0	0.088	0.170	0.017	0.028	0.035	0.058	0.040	---	---	0.058	1977
1978	---	---	1.88	1.84	0.385	1.02	2.82	0.103	0.148	0.304	---	---	1.02	1978
1979	---	---	0.183	25.2	17.8	2.79	0.881	0.088	0.082	0.048	---	---	5.84	1979
1980	---	---	0.858	1.73	0.088	0.021	0.012	0.011	0.026	0.038	---	---	0.315	1980
1981	---	0.111	0.087	0.043	0.010	0.004	0	0	0	0.011	0.033	---	0.019	1981
1982	---	---	0.008	21.5	5.19	0.315	0.108	0.025	0.018	0.012	---	---	3.73	1982
1983	---	---	0.043	15.0	5.45	1.81	0.348	0.170	0.044	0.011	---	---	2.81	1983
1984	---	---	0.036	0.140	0.048	0.001	0	0	0	0	---	---	0.028	1984
1985	---	---	1.38	2.42	0.148	0.013	0	0.005	0.003	0.080	---	---	0.488	1985
1986	---	---	1.08	0.403	2.83	0.017	0	0.005	0	0.078	---	---	0.588	1986
1987	---	---	0.318	0.282	0.011	0	0	0	0	0.018	---	---	0.078	1987
1988	---	---	0	0.231	0.008	0	0	0	0	0	---	---	0.029	1988
MEAN	---*	0.111	0.853	8.02	3.77	0.813	0.337	0.077	0.063	0.035	0.033	---	1.72	MEAN

LOCATION - LAT 49 39 37 N
LONG 103 39 44 W
DRAINAGE AREA, 3 180 km^2
REGULATED

SOURIS RIVER NEAR MALBRITE - STATION NO. 05NB017

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1959	---	0.408 ON JUN 27	0 B ON MAR 1 *	483	1959
1960	---	34.5 ON APR 5	0 B ON MAR 1	28 800	1960
1961	---	1.22 A ON MAR 16	0 A ON MAR 1	888	1961
1962	---	4.18 B ON MAR 28	0 B ON MAR 1	1 840	1962
1963	8.87 AT 03:00 CST ON JUL 28	7.16 ON JUL 28	0 B ON MAR 1	4 320	1963
1964	5.84 B AT 21:30 CST ON APR 3	5.44 B ON APR 3	0 B ON MAR 1	5 860	1964
1965	11.7 AT 22:00 CST ON MAY 28	11.1 ON JUN 3	0 B ON MAR 1	18 500	1965
1966	15.3 B AT 08:30 CST ON MAR 18	14.7 B ON MAR 18	0 B ON MAR 1	14 200	1966
1967	7.50 AT 08:45 CST ON APR 12	6.77 ON APR 18	0 B ON MAR 1	9 830	1967
1968	3.26 AT 17:00 CST ON AUG 22	2.89 ON AUG 22	0 ON JUN 11	2 300	1968
1969	84.6 AT 20:34 CST ON APR 12	82.9 ON APR 12	0 B ON MAR 1	81 800	1969
1970	22.3 AT 10:46 CST ON MAY 4	20.8 ON MAY 5	0 B ON MAR 1	50 000	1970
1971	22.7 B AT 17:49 CST ON APR 9	22.2 B ON APR 10	0 ON AUG 4	41 300	1971
1972	20.1 B AT 15:29 CST ON MAR 21	19.8 B ON MAR 21	0 B ON MAR 1	20 800	1972
1973	1.26 AT 05:52 CST ON SEP 4	1.07 ON SEP 4	0 ON JUN 27	840	1973
1974	95.7 AT 19:29 CST ON APR 19	95.4 ON APR 19	0 B ON MAR 1	115 000	1974
1975	88.2 AT 03:33 CST ON APR 30	88.1 ON APR 30	0.001E ON JUL 24	187 000	1975
1976	88.8 AT 09:05 CST ON APR 7	87.8 ON APR 7	0.014E ON MAR 1	209 000	1976
1977	0.804 AT 13:47 CST ON MAY 15	0.803 ON MAY 20	0 B ON MAR 1	1 180	1977
1978	19.2 AT 21:59 CST ON JUL 8	18.3 B ON MAR 30	0 B ON MAR 1	21 800	1978
1979	123 AT 02:56 CST ON APR 23 *	118 ON APR 23 *	0 B ON MAR 1	123 000	1979
1980	8.76 B AT 10:38 CST ON APR 4	7.12 B ON APR 4	0 B ON MAR 1	8 880	1980
1981	---	0.1248 ON MAR 30	0 ON JUN 28	408	1981
1982	88.1 AT 17:50 CST ON APR 18	84.7 ON APR 18	0 B ON MAR 1	78 900	1982
1983	34.7 AT 05:24 CST ON APR 12	33.8 ON APR 12	0.004 ON SEP 28	89 400	1983
1984	0.838 AT 05:48 CST ON APR 27	0.818 ON APR 27	0 ON JUN 4	897	1984
1985	5.80 B AT 13:00 CST ON MAR 28	5.40 B ON MAR 28	0 B ON MAR 1	10 800	1985
1986	20.0 AT 15:51 CST ON MAY 12	18.3 ON MAY 12	0 ON JUN 12	11 800	1986
1987	2.23 B AT 03:04 CST ON MAR 24	1.88 B ON MAR 24	0 B ON MAR 1	1 880	1987
1988	0.4328 AT 01:53 CST ON APR 3	0.3978 ON APR 2	0 B ON MAR 1	822	1988
				38 300	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SOURIS RIVER NEAR LEWVAN - STATION NO. 05NB025

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1971	---	---	0	2.10	0.344	0.042	0.014	0	0	0	---	---	0.308	1971
1972	---	---	0.890	0.614	0.108	0.002	0	0	0	0	---	---	0.202	1972
1973	---	---	0	0	0	0	0	0	0	0	---	---	0	1973
1974	---	---	0	5.85	1.09	0.057	0.008	0.012	0	0	---	---	0.853	1974
1975	---	---	0	7.34	5.02	0.617	0.032	0	0	0	---	---	1.81	1975
1976	---	---	0	12.1	0.884	1.83	0.331	0.408	0.072	0.023	---	---	1.82	1976
1977	---	---	0	0.008	0	0	0	0	0	0	---	---	0.001	1977
1978	---	---	0.070	0.380	0.058	0.004	0.130	0.052	0.110	0.007	---	---	0.102	1978
1979	---	---	0	4.18	2.27	0.292	0.035	0	0	0	---	---	0.840	1979
1980	---	---	0.032	0.407	0.001	0	0	0	0	0	---	---	0.054	1980
1981	---	---	0	0	0	0	0	0	0	0	---	---	0	1981
1982	---	---	0	4.03	0.674	0.088	0.012	0	0	0	---	---	0.882	1982
1983	---	---	0	3.68	0.332	0.714	0.088	0.007	0	0	---	---	0.878	1983
1984	---	---	0.108	0.048	0	0	0	1.60	0.010	0.008	---	---	0.198	1984
1985	---	---	1.31	1.13	0.008	0	0	0	0	0	---	---	0.304	1985
1986	---	---	0.488	0.078	0.484	0	0	0	0	0	---	---	0.128	1986
MEAN	---	---	0.188	2.81	0.703	0.228	0.041	0.117	0.012	0.002	---	---	0.481	MEAN

LOCATION - LAT 49 58 37 N, LONG 104 04 33 W
DRAINAGE AREA, 590 km^2
REGULATED

SOURIS RIVER NEAR LEWVAN - STATION NO. 05NB025

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1971	---	11.8 B ON APR 7	0E ON MAR 1 *	8 830	1971
1972	---	4.30 B ON MAR 24	0E ON MAR 1	4 280	1972
1973	0 B AT 00:00 CST ON MAR 1	0 B ON MAR 1	0E ON MAR 1	0	1973
1974	47.0 AT 23:15 CST ON APR 18	39.4 ON APR 18	0E ON MAR 1	18 300	1974
1975	34.3 AT 08:21 CST ON APR 28	33.1 ON APR 28	0E ON MAR 1	34 200	1975
1976	55.8 AT 18:22 CST ON APR 7 *	53.5 ON APR 7 *	0E ON MAR 1	49 700	1976
1977	---	0.0285 ON APR 9	0E ON MAR 1	20.7	1977
1978	2.11A AT 20:26 CST ON APR 3	1.74 ON APR 3	0E ON MAR 1	2 150	1978
1979	33.8 B AT 18:46 CST ON APR 23	31.6 B ON APR 23	0E ON MAR 1	17 700	1979
1980	1.11 AT 08:13 CST ON APR 2	1.08 ON APR 2	0E ON MAR 1	1 140	1980
1981	---	0 ON MAR 1	0 ON MAR 1	0	1981
1982	43.0 AT 15:50 CST ON APR 17	27.6 ON APR 18	0E ON MAR 1	12 500	1982
1983	27.6 AT 03:52 CST ON APR 19	25.1 ON APR 19	0E ON MAR 1	12 300	1983
1984	27.9 AT 00:58 CST ON AUG 1	21.7 ON AUG 1	0E ON MAR 1	4 210	1984
1985	8.788 AT 23:30 CST ON MAR 18	8.80 B ON MAR 18	0E ON MAR 1	8 440	1985
1986	3.02 AT 05:25 CST ON MAY 10	2.46 ON MAY 10	0E ON MAR 1	2 870	1986
				10 200	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SOURIS RIVER NEAR MACOUN - STATION NO. 05NB010

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1956	---	---	---	---	---	3.40	2.60	0.099	0	0	---	---	---	1956
1957	---	---	1.03	0.858	0.182	0.005	0	0.114	0.080	0	---	---	---	1957
1958	---	---	0.120	2.12	0.185	0.008	0.497	0.085	0	0	---	---	---	1958
MEAN	---	---	0.575	1.49	0.179	1.14	1.03	0.099	0.020	0	---	---	---	MEAN

LOCATION - LAT 49 11 55 N DRAINAGE AREA, 5 230 km²
LONG 103 15 40 W REGULATED

SOURIS RIVER NEAR MACOUN - STATION NO. 05NB010

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1956	---	---	0 ON AUG 20 *	---	1956
1957	---	5.21 ON MAR 29	0E ON MAR 1	---	1957
1958	---	8.80 ON APR 7 *	0S ON MAR 1	---	1958
				---	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD
E - ESTIMATED

SOURIS RIVER NEAR MCTAGGART - STATION NO. 05NB030

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1970	---	---	---	---	5.28	---	---	---	---	---	---	---	---	1970
1974	---	---	---	---	10.1	---	---	---	---	---	---	---	---	1974
1975	---	---	0	14.0	23.5	0.732	0.050	0.035	0.003	0	---	---	4.78	1975
1976	---	---	0.005	38.8	4.88	7.80	1.88	0.598	0.088	0.007	---	---	8.34	1976
1977	---	---	0	0.185	0	0	0	0	0	0	---	---	0.018	1977
1978	---	---	0.483	1.19	0.040	0.111	0.723	0	0.084	0.007	---	---	0.322	1978
1979	---	---	0	10.8	10.2	0.432	0.382	0	0	0	---	---	2.72	1979
1980	---	---	0.116	1.02	0.003	0	0	0	0	0	---	---	0.140	1980
1981	---	---	0.010	0.004	0	0.005	0	0	0	0	---	---	0.004	1981
1982	---	---	0	13.7	5.58	0.228	0.187	0.150	0	0	---	---	2.48	1982
1983	---	---	0	9.43	3.35	1.88	0.858	0.220	0	0	---	---	1.93	1983
1984	---	---	0.238	0.115	0	0.027	0.008	1.05	0.005	0.011	---	---	0.183	1984
1985	---	---	3.54	1.48	0.005	0	0	0	0	0	---	---	0.830	1985
1986	---	0	2.48	0.038	1.87	0.010	0.011	0	0	0	---	---	0.572	1986
1987	---	---	0.248	0.278	0	0	0	0	0	0	---	---	0.085	1987
1988	---	---	0	0	0	0	0	0	0	0	---	---	0	1988
MEAN	---	0	0.508	5.37	4.05	0.795	0.283	0.147	0.011	0.002	---	---	1.44	MEAN

LOCATION - LAT 49 48 10 N DRAINAGE AREA, 2 020 km²
LONG 104 00 58 W REGULATED

SOURIS RIVER NEAR MCTAGGART - STATION NO. 05NB030

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1970	---	---	---	---	1970
1974	---	---	---	---	1974
1975	---	47.6 ON APR 28	0S ON MAR 1 *	101 000	1975
1976	50.7 AT 14:03 CST ON APR 14 *	50.1 ON APR 14 *	0S ON MAR 1	134 000	1976
1977	---	0.644E ON APR 10	0S ON MAR 1	402	1977
1978	---	3.98 ON JUL 8	0S ON MAR 1	8 520	1978
1979	35.6 B AT 11:30 CST ON APR 22	34.5 B ON APR 22	0S ON MAR 1	67 600	1979
1980	4.80B AT 17:30 CST ON APR 3	4.28 B ON APR 3	0S ON MAR 1	2 980	1980
1981	---	0.081E ON MAR 18	0E ON MAR 1	75.1	1981
1982	32.6 AT 01:55 CST ON APR 22	32.2 ON APR 22	0S ON MAR 1	51 800	1982
1983	28.8 AT 23:44 CST ON APR 19	26.2 ON APR 19	0S ON MAR 1	40 900	1983
1984	4.31 AT 17:37 CST ON AUG 5	4.19 ON AUG 5	0S ON MAR 1	3 880	1984
1985	13.6 B AT 09:33 CST ON MAR 22	13.1 B ON MAR 22	0S ON MAR 1	13 300	1985
1986	---	8.23 ON MAY 11	0 ON JUN 23	12 100	1986
1987	1.88 AT 24:00 CST ON MAR 31	1.78 ON APR 1	0S ON MAR 1	1 380	1987
1988	---	0 ON MAR 1	0 ON MAR 1	0	1988
				30 600	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD
E - ESTIMATED

SOURIS RIVER NEAR MIDALE - STATION NO. 05NB006

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1944	---	---	---	0.081	0.498	0.758	0.287	0.235	0.030	---	---	---	---	1944
MEAN	---	---	---	0.081	0.498	0.758	0.287	0.235	0.030	---	---	---	---	MEAN

LOCATION - LAT 49 22 45 N DRAINAGE AREA, 4 010 km²
LONG 103 35 35 W REGULATED

SOURIS RIVER NEAR MIDALE - STATION NO. 05NB005

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1944	---	---	0 ON APR 1 *	---	1944
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

SOURIS RIVER NEAR OXBOW - STATION NO. 05ND003

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1928	---	---	24.5	29.8	8.73	7.24	12.2	3.83	0.840	0.553	---	---	---	1928
1929	---	---	1.17	2.37	1.82	4.06	0.302	0	0	0.002	---	---	---	1929
1930	---	---	---	---	2.06	0.659	0.541	0.045	0	0	---	---	---	1930
1943	---	---	---	78.4	7.74	3.85	1.87	0.313	0.188	0	---	---	---	1943
1944	---	---	---	1.32	0.643	8.38	7.97	1.26	0.529	---	---	---	---	1944
1945	---	---	---	0.645	0.275	0.485	0.758	0.228	0.058	0.100	---	---	---	1945
1946	---	---	---	8.23	0.515	0.428	0.315	0.044	0.033	0.041	---	---	---	1946
1947	---	---	---	44.3	8.75	7.36	3.21	0.682	0.617	---	---	---	---	1947
1948	---	---	---	---	---	44.4	3.38	2.07	0.750	0.088	0.088	---	---	1948
1949	---	---	---	21.8	1.32	1.10	0.228	0.132	0.008	0.087	---	---	---	1949
1950	---	---	---	26.5	8.89	3.88	1.43	0.840	0.265	0.184	---	---	---	1950
1951	---	---	---	36.1	37.8	4.32	0.550	0.344	0.334	0.531	---	---	---	1951
1952	---	---	---	19.8	2.33	0.708	0.483	0.045	0.151	0.128	---	---	---	1952
1953	---	---	---	8.28	4.07	29.8	28.5	3.86	0.417	0.138	---	---	---	1953
1954	---	---	---	4.78	3.86	13.1	4.29	0.884	1.41	1.65	2.08	---	---	1954
1955	---	---	---	---	58.1	34.4	9.46	3.42	0.929	0.882	0.905	---	---	1955
1956	---	---	4.48	47.8	14.1	4.40	5.37	1.51	0.367	0.588	---	---	---	1956
1957	---	---	4.53	7.58	2.85	0.881	0.286	0.623	0.271	0.202	---	---	---	1957
1958	---	---	4.50	8.36	0.837	0.099	0.030	0.018	0.008	0.007	---	---	---	1958
1959	---	---	4.39	0.883	0.245	0.180	0.077	0.012	0.007	1.03	0.470	0.108	---	1959
1960	0.072	0.048	4.55	30.8	2.83	0.381	0.107	0.178	0.009	0.005	0.005	0.003	3.24	1960
1961	0.003	0.005	0.836	0.061	0.142	0.085	0.005	0.006	0.008	0.003	0.002	0	0.108	1961
1962	0	0	1.03	0.489	0.702	1.23	0.101	0.002	0	0	0	0	0.298	1962
1963	0	0	1.77	0.549	0.586	1.73	1.07	1.04	0.584	0.045	0.040	0.004	0.822	1963
1964	0	0.003	0.277	11.3	2.88	0.321	0.357	0.043	0.004	0.005	0.005	0.003	1.28	1964
1965	0	0.002	0.130	8.01	11.0	13.4	2.98	1.03	0.389	0.122	0.138	0.103	2.94	1965
1966	0.058	0.028	15.2	8.18	1.80	0.451	0.064	0.050	0.041	0.017	0.014	0.009	2.02	1966
1967	0.007	0.003	0.885	8.08	7.03	0.832	0.112	0.003	0.003	0.003	0.003	0.003	1.25	1967
1968	0.003	0.003	3.34	0.528	0.257	0.084	0.001	0.038	0.073	0.014	0.003	0.007	0.355	1968
1969	0.006	0.006	4.05	103	16.1	1.82	5.15	0.578	0.257	0.417	0.147	0.028	11.1	1969
1970	0.026	0.043	0.842	14.1	58.5	9.26	3.61	0.021	0.558	0.785	0.585	0.154	7.37	1970
MEAN	0.018	0.018	4.50	20.1	9.26	4.23	2.83	0.840	0.257	0.257	0.269	0.036	2.78	MEAN

LOCATION - LAT 49 12 55 N DRAINAGE AREA, 21 900 km^2
LONG 102 10 14 W REGULATED

SOURIS RIVER NEAR OXBOW - STATION NO. 05ND003

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1928	---	88.1 B ON MAR 24	---	---	1928
1929	---	10.2 ON JUN 1	0 ON AUG 3 *	---	1929
1930	---	---	0 ON AUG 10	---	1930
1943	---	181 B ON APR 9	0 ON SEP 18	---	1943
1944	---	38.6 ON JUL 1	---	---	1944
1945	---	---	0 ON AUG 30	---	1945
1946	---	114 ON MAR 27	---	---	1946
1947	---	73.3 ON APR 18	0 ON SEP 25	---	1947
1948	---	215 ON APR 27	0 B ON APR 11	---	1948
1949	---	85.0 B ON APR 9	0 ON JUN 12	---	1949
1950	---	47.5 ON APR 18	---	---	1950
1951	---	85.0 ON MAY 6	---	---	1951
1952	---	37.7 B ON MAR 31	---	---	1952
1953	---	84.7 ON JUL 7	0 ON OCT 10	---	1953
1954	---	36.2 ON JUN 18	---	---	1954
1955	---	113 ON APR 3	---	---	1955
1956	---	130 ON APR 12	---	---	1956
1957	---	23.8 ON MAR 23	---	---	1957
1958	---	32.8 ON MAR 28	---	---	1958
1959	---	22.7 ON MAR 20	0 E ON MAR 1	---	1959
1960	---	84.7 ON APR 8	0.003 ON JUL 28	102 000	1960
1961	---	3.43 ON MAR 17	0 A ON JUN 13	3 410	1961
1962	---	14.4 ON MAR 28	0 ON JAN 1	9 330	1962
1963	---	12.7 B ON MAR 23	0 B ON JAN 1	18 600	1963
1964	---	18.7 B ON APR 4	0 B ON JAN 1	40 000	1964
1965	---	28.3 ON JUN 7	0 B ON JAN 1	82 700	1965
1966	---	40.2 ON MAR 31	0.003 ON JUL 23	63 800	1966
1967	---	17.0 ON MAY 13	0.0038 ON FEB 1	38 500	1967
1968	---	12.6 B ON MAR 6	0.001 ON JUN 30	11 500	1968
1969	---	239 B ON APR 11 *	0 B ON NOV 16	349 000	1969
1970	---	83.3 ON MAY 14	0.038 ON JAN 1	232 000	1970
				87 500	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SOURIS RIVER NEAR ROCHE PERCEE - STATION NO. 05NB009

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1956	---	---	3.94	26.8	8.70	2.85	3.39	0.060	0.021	0.008	---	---	5.85	1956
1957	---	---	1.63	1.84	0.316	0.036	0.001	0	0	0	---	---	0.478	1957
1958	---	---	0.820	2.22	0.273	0.011	0	0	0	0.003	---	---	0.367	1958
1959	---	---	2.58	0.154	0.008	0.018	0.004	0.031	0.188	0.593	---	---	0.458	1959
1960	---	---	4.98	20.5	1.83	0.268	0.128	0.287	0.008	0.010	---	---	3.48	1960
1961	---	---	0.393	0.068	0.018	0.004	0.008	0	0	0	---	---	0.052	1961
1962	---	---	0.803	0.088	0.572	0.802	0.019	0	0	0				1962
1963	---	---	0.158	0.121	0.412	1.13	0.706	0.139	0.401	0.054				1963
1964	---	---	0.034	7.78	1.44	0.448	0.383	0.018	0.008	0.008	---	---	1.24	1964
1965	---	---	4.08	88.0	11.4	1.02	2.90	0.141	0.819	0.327	---	---	11.0	1965
1970	---	---	0.407	8.52	45.8	5.91	1.87	0.851	0.409	0.287	---	---	7.78	1970
1971	---	---	0.589	15.9	4.78	0.378	7.37	0.589	3.14	0.918	---	---	4.23	1971
1972	---	---	24.5	10.4	2.88	7.80	1.13	1.70	1.02	0.223	---	---	5.15	1972
1973	---	---	0.555	0.208	0.131	0.283	0.003	0	0.147	0.188	---	---	0.188	1973
1974	---	---	1.08	82.1	34.1	4.40	3.08	0.183	0.045	0.090	---	---	13.0	1974
1975	---	---	0.100	38.5	78.8	11.9	0.621	0.281	1.30	0.740	---	---	18.8	1975
1976	---	---	23.5	132	19.6	35.8	7.82	1.82	0.587	0.353	---	---	26.0	1976
1977	---	---	0.073	0.113	0.108	0.081	0.047	0.008	0.017	0.117	---	---	0.083	1977
1978	---	---	2.87	11.8	1.90	2.31	18.8	1.58	2.33	1.88	---	---	5.10	1978
1979	---	---	4.45	88.0	84.8	5.45	0.808	0.239	0.128	0.030	---	---	18.0	1979
1980	---	---	0.281	2.76	0.372	0.020	0.004	0.005	0.007	0.021	---	---	0.438	1980
1981	---	0.877	0.212	0.034	0.051	0.005	0.007	0.038	0.002	0.011	---	---	0.045	1981
1982	---	---	0.338	42.4	18.3	0.942	1.12	0.089	0.051	0.181	---	---	7.85	1982
1983	---	---	3.22	31.8	11.1	0.931	0.951	0.081	0.018	0.054	---	---	5.94	1983
1984	---	---	0.381	0.187	0.188	0.004	0	0	0	0.002	---	---	0.094	1984
1985	---	---	1.62	3.25	0.523	0.061	0	0.137	0.021	0.117	---	---	0.709	1985
1986	---	---	1.20	1.22	2.82	0.430	1.38	0.881	0.005	0.118	---	---	1.01	1986
1987	---	---	1.96	2.48	0.232	0.011	0.011	0.001	0	0	---	---	0.584	1987
1988	---	---	0.012	0.027	0.015	0	0.001	0	0	0	---	---	0.007	1988
MEAN	---	0.877	2.97	19.3	10.7	2.61	1.74	0.335	0.351	0.211	---	---	4.73	MEAN

LOCATION - LAT 49 04 34 N DRAINAGE AREA, 12 700 km²
LONG 102 45 53 W REGULATED

SOURIS RIVER NEAR ROCHE PERCEE - STATION NO. 05NB009

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1956	---	40.5 ON APR 14	0.003 ON SEP 21	120 000	1956
1957	---	8.26 ON MAR 25	0 B ON MAR 1 *	10 100	1957
1958	---	8.07 ON APR 7	0 B ON MAR 1	8 190	1958
1959	---	11.8 B ON MAR 19	0 ON MAY 11	9 650	1959
1960	---	38.8 ON APR 7	0 B ON MAR 1	73 500	1960
1961	---	2.65 ON MAR 17	0 B ON MAR 1	1 300	1961
1962	---	4.02 ON MAR 25	0 B ON MAR 1	4 980	1962
1963	---	8.17 ON JUN 7	0 B ON MAR 1	9 280	1963
1964	---	17.8 ON APR 18	0 B ON MAR 1	25 300	1964
1965	---	204 ON APR 15	0.005 ON AUG 26	234 000	1965
1970	---	74.8 ON MAY 10	0 E ON OCT 8	195 000	1970
1971	37.4 AT 05:00 CST ON APR 15	35.8 ON APR 15	0.1135 ON MAR 1	89 500	1971
1972	86.8 AT 01:47 CST ON MAR 23	86.3 ON MAR 23	0.0715 ON MAR 1	130 000	1972
1973	2.71 B AT 03:06 CST ON MAR 10	2.11 B ON MAR 10	0 ON JUL 13	3 880	1973
1974	118 AT 09:58 CST ON APR 25	118 ON APR 25	0.015 ON SEP 4	276 000	1974
1975	188 AT 09:47 CST ON MAY 1	187 ON MAY 1	0.0428 ON MAR 8	351 000	1975
1976	209 AT 19:24 CST ON APR 5	208 ON APR 5	0.059 ON SEP 27	550 000	1976
1977	1.23 AT 05:55 CST ON MAY 19	1.03 ON MAY 19	0.005 ON JUL 29	1 320	1977
1978	38.8 AT 01:02 CST ON APR 2	37.7 ON APR 2	0.0088 ON MAR 8	108 000	1978
1979	257 AT 02:47 CST ON APR 26 *	250 ON APR 26 *	0.023 ON OCT 4	381 000	1979
1980	5.84 AT 01:23 CST ON APR 6	5.67 ON APR 6	0.001 ON JUL 11	9 070	1980
1981	---	0.8058 ON MAR 1	0 ON APR 25	853	1981
1982	84.2 AT 19:58 CST ON APR 25	84.0 ON APR 25	0.008 ON AUG 24	166 000	1982
1983	47.2 AT 17:46 CST ON APR 18	47.0 ON APR 18	0.007 ON SEP 25	126 000	1983
1984	1.84 B AT 18:56 CST ON MAR 28	1.82 B ON MAR 28	0 ON JUN 19	3 000	1984
1985	8.62 AT 16:05 CST ON APR 6	8.33 ON APR 7	0 ON JUL 3	15 000	1985
1986	8.08 AT 08:35 CST ON MAY 17	7.85 ON MAY 17	0.003 ON SEP 1	21 400	1986
1987	9.01 B AT 02:55 CST ON MAR 27	7.71 B ON MAR 27	0 ON JUN 25	12 400	1987
1988	0.215 AT 04:33 CST ON JUL 8	0.052 ON MAY 3	0 B ON MAR 1	144	1988
				100 000	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SOURIS RIVER NEAR SHERWOOD - STATION NO. 05ND007

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1930	---	---	---	13.0	2.56	0.898	0.385	0.077	0.001	0.042	0.027	0.003	---	1930
1931	0	0	0.028	0.241	0.247	0.030	0.002	0	0	0	0.002	0	0.054	1931
1932	0	0	0.072	1.43	0.456	0.455	0.276	0.035	0	0.005	0.014	0.014	0.239	1932
1933	0.008	0.056	8.89	6.36	2.15	0.84	0.586	0.153	0.021	0.043	0.042	0.011	2.17	1933
1934	0.008	0.142	5.53	2.83	0.423	0.102	0.038	0	0	0	0	0	0.736	1934
1935	0	0	0.072	1.36	1.28	0.408	0.906	0.077	0.007	0.004	0.006	0	0.344	1935
1936	0	0	0	17.0	4.98	0.639	0.047	0	0	0	0	0	1.87	1936
1937	0	0	0	0.415	0.103	0.016	0	0	0	0	0	0	0.044	1937
1938	0	0	11.5	3.86	1.12	0.226	0.056	0.009	0	0	0	0	1.40	1938
1939	0	0	15.3	15.9	1.00	0.276	0.336	0.053	0.001	0.002	0.006	0.003	2.75	1939
1940	0	0	0.001	0.432	0.248	0.056	0.004	0.013	0.001	0	0	0	0.073	1940
1941	0	0	0.027	12.2	3.83	1.23	0.331	0.111	0.038	0.036	0.111	0.084	1.41	1941
1942	0.006	0.002	2.98	18.3	8.04	1.54	0.810	0.279	0.279	0.183	0.172	0.078	2.50	1942
1943	0.078	0.036	1.43	78.2	8.53	4.87	2.46	0.733	0.476	0.173	0.197	0.172	8.13	1943
1944	0.109	0.103	0.103	1.85	0.915	4.80	10.3	1.83	0.970	0.404	0.318	0.119	1.20	1944
1945	0.048	0.041	0.480	0.883	0.440	0.488	0.848	0.288	0.082	0.107	0.112	0.023	0.316	1945
1946	0	0.001	15.7	8.12	0.883	0.881	0.401	0.170	0.048	0.087	0.055	0.032	2.20	1946
1947	0.021	0.013	1.55	45.4	10.3	5.18	4.04	0.840	0.874	0.375	0.271	0.200	5.80	1947
1948	0.226	0.170	0.147	36.8	87.2	4.76	2.62	1.37	0.354	0.270	0.434	0.208	9.76	1948
1949	0.089	0.068	0.134	23.3	2.16	1.52	0.518	0.328	0.106	0.180	0.281	0.120	2.38	1949
1950	0.085	0.077	1.57	25.2	9.06	3.80	1.73	1.11	0.374	0.258	0.269	0.186	3.83	1950
1951	0.173	0.148	0.162	33.9	41.1	4.33	1.10	0.886	0.406	0.886	0.825	0.241	8.97	1951
1952	0.076	0.088	1.06	20.2	2.77	0.786	0.688	0.182	0.180	0.148	0.181	0.108	2.16	1952
1953	0.084	0.080	2.42	8.87	4.06	27.0	29.7	5.06	1.04	0.368	0.806	0.374	8.73	1953
1954	0.243	0.736	3.04	4.28	2.87	11.3	4.47	0.881	1.20	1.82	1.65	0.788	2.82	1954
1955	0.246	0.192	0.182	89.4	34.2	11.3	4.44	1.42	0.718	0.926	0.594	0.219	8.56	1955
1956	0.088	0.071	3.93	48.2	18.1	4.47	2.75	1.84	0.459	0.584	0.592	0.238	6.98	1956
1957	0.113	0.030	3.27	8.46	3.14	1.25	0.431	0.558	0.323	0.140	0.300	0.127	1.51	1957
1958	0.052	0.049	3.51	11.6	1.25	0.310	0.112	0.030	0.021	0.042	0.048	0.004	1.41	1958
1959	0	0	4.65	1.17	0.312	0.339	0.118	0.028	0.031	0.803	0.401	0.128	0.871	1959
1960	0.054	0.040	2.90	33.6	4.16	0.981	0.338	0.287	0.044	0.039	0.054	0.047	3.52	1960
1961	0.018	0.011	0.883	0.498	0.219	0.144	0.002	0	0	0	0	0	0.158	1961
1962	0	0	0.588	1.03	0.731	1.85	0.306	0.044	0.002	0.013	0.024	0.016	0.382	1962
1963	0	0	1.82	1.00	0.882	2.18	0.873	1.01	0.881	0.087	0.157	0.132	0.788	1963
1964	0.098	0.088	0.178	12.4	2.87	1.03	0.888	0.140	0.037	0.002	0.098	0.139	1.48	1964
1965	0.056	0.031	0.059	8.78	12.0	14.8	3.81	0.844	0.287	0.178	0.244	0.123	3.17	1965
1966	0.064	0.054	12.3	10.9	2.11	0.877	0.227	0.088	0.021	0.014	0.035	0.014	2.22	1966
1967	0.004	0.001	0.431	7.55	7.57	0.770	0.088	0.005	0	0	0.388	0.085	1.41	1967
1968	0.021	0.013	4.05	0.874	0.306	0.113	0.030	0.005	0.071	0.013	0.028	0.007	0.474	1968
1969	0	0	2.50	108	20.9	2.85	4.95	1.17	0.480	0.787	0.438	0.188	11.8	1969
1970	0.135	0.184	1.07	13.8	53.8	10.5	4.40	1.34	0.708	0.780	0.700	0.252	7.37	1970
1971	0.211	0.218	1.31	22.8	9.08	1.98	8.82	0.800	1.75	2.28	1.07	0.288	3.89	1971
1972	0.151	0.088	32.8	20.7	4.78	8.44	2.32	1.88	1.80	0.323	0.881	0.207	8.25	1972
1973	0.181	0.085	1.88	0.803	0.882	0.744	0.143	0.044	0.035	0.082	0.257	0.080	0.403	1973
1974	0.026	0.026	0.328	75.8	54.2	8.89	3.84	0.881	0.283	0.230	0.240	0.187	12.0	1974
1975	0.182	0.145	0.194	23.8	113	18.5	3.70	1.12	4.13	2.29	1.41	1.35	15.2	1975
1976	1.28	1.24	18.0	191	41.7	25.7	14.3	2.98	1.84	0.831	0.843	0.303	24.8	1976
1977	0.228	0.181	0.410	1.14	1.02	0.585	0.143	0.040	0.027	0.048	0.178	0.115	0.341	1977
1978	0.088	0.027	3.32	15.8	3.40	2.70	15.8	2.43	1.94	2.01	0.459	0.288	4.01	1978
1979	0.143	0.108	4.10	80.0	97.3	9.94	2.44	0.818	0.337	0.178	0.284	0.288	14.7	1979
1980	0.141	0.157	0.445	7.07	1.19	0.124	0.071	0.025	0.018	0.034	0.071	0.078	0.777	1980
1981	0.070	4.05	1.25	0.315	0.148	0.039	0.012	0.019	0.014	0.007	0.017	0.021	0.473	1981
1982	0.012	0.006	0.093	47.3	28.8	2.69	1.00	0.484	0.102	0.241	0.388	0.187	8.78	1982
1983	0.138	0.417	4.52	37.3	20.7	2.74	1.47	0.300	0.068	0.048	0.180	0.110	5.88	1983
1984	0.100	0.282	2.28	1.25	0.429	0.080	0.024	0.008	0.006	0.026	0.018	0.018	0.376	1984
1985	0.004	0	0.22	5.38	1.87	0.315	0.088	0.088	0.032	0.284	0.187	0.072	1.48	1985
1986	0.664	0.237	0.42	2.00	3.38	1.28	1.81	2.14	0.138	0.171	0.321	0.087	1.41	1986
1987	0.078	0.111	7.12	3.80	1.18	0.282	0.081	0.020	0.004	0.021	0.019	0.001	1.48	1987
1988	0	0.006	0.024	0.051	0.074	0.006	0.001	0	0	0	0	0	0.014	1988
MEAN	0.090	0.171	3.80	21.0	12.1	3.82	2.43	0.826	0.365	0.307	0.298	0.138	3.78	MEAN

LOCATION - LAT 49 59 24 N
LONG 101 57 36 W

DRAINAGE AREA, 23 400 km²
REGULATED

INTERNATIONAL GAUGING STATION

SOURIS RIVER NEAR SHERWOOD - STATION NO. 05ND007

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1930	---	23.1 ON APR 8	0 ON SEP 4 *	---	1930
1931	---	0.510 ON APR 14	0 E ON JAN 1	1 710	1931
1932	---	2.55 B ON APR 10	0 E ON JAN 1	7 230	1932
1933	---	38.2 B ON MAR 31	0.008E ON JAN 1	68 200	1933
1934	---	8.74 B ON MAR 18	0 ON AUG 1	23 200	1934
1935	---	4.87 ON APR 24	0 ON JAN 1	10 900	1935
1936	---	36.0 ON APR 25	0 ON JAN 1	59 300	1936
1937	---	3.34 ON APR 14	0 ON JAN 1	1 400	1937
1938	---	39.2 ON MAR 27	0 ON JAN 1	44 100	1938
1939	---	68.7 ON MAR 26	0 ON JAN 1	68 700	1939
1940	---	2.12 B ON APR 15	0 ON JAN 1	2 220	1940
1941	---	28.8 ON APR 14	0 ON JAN 1	44 400	1941
1942	---	48.1 B ON APR 5	0 ON FEB 20	78 800	1942
1943	---	151 ON APR 12	0.017B ON MAR 1	266 000	1943
1944	---	35.1 ON JUL 4	0.04B ON DEC 28	58 900	1944
1945	---	1.70 ON MAR 29	0 B ON DEC 24	10 000	1945
1946	---	56.1 ON MAR 30	0 B ON JAN 1	89 500	1946
1947	---	83.7 ON APR 18	0.003 ON FEB 24	183 000	1947
1948	210 AT 23:00 CST ON APR 26	208 ON APR 29	0.086B ON DEC 28	308 000	1948
1949	---	78.6 ON APR 11	0.026B ON JAN 22	75 000	1949
1950	---	46.3 ON APR 18	0.057B ON FEB 21	114 000	1950
1951	---	75.9 ON MAY 10	0.045B ON DEC 23	220 000	1951
1952	---	32.6 B ON APR 3	0.045B ON JAN 10	59 100	1952
1953	---	80.4 ON JUL 9	0.046B ON JAN 15	212 000	1953
1954	---	22.4 ON JUN 12	0.212B ON JAN 21	59 100	1954
1955	---	142 ON APR 8	0.119B ON MAR 25	302 000	1955
1956	---	89.7 ON APR 18	0.087B ON JAN 18	221 000	1956
1957	39.1 B AT 09:00 CST ON APR 2	19.5 B ON MAR 25	0.023B ON FEB 8	47 600	1957
1958	---	28.5 B ON APR 1	0 B ON DEC 7	44 600	1958
1959	---	20.4 B ON MAR 22	0 B ON JAN 1	21 100	1959
1960	78.6 AT 08:30 CST ON APR 8	74.6 ON APR 8	0.008 ON MAR 8	111 000	1960
1961	4.53 B ON MAR 20	4.06 B ON MAR 20	0 ON JUL 15	4 810	1961
1962	25.2 AT 09:00 CST ON JUN 15	18.3 ON JUN 15	0 ON JAN 1	12 400	1962
1963	13.3 B AT 15:00 CST ON MAR 25	12.7 B ON MAR 25	0 B ON JAN 1	23 800	1963
1964	---	23.8 B ON APR 5	0.014 ON SEP 20	47 100	1964
1965	29.2 AT 09:00 CST ON JUN 9	29.2 ON JUN 9	0.023B ON FEB 27	100 000	1965
1966	39.8 AT 08:00 CST ON APR 2	36.2 ON APR 2	0.003 ON SEP 28	70 000	1966
1967	17.4 AT 02:00 CST ON MAY 16	17.1 ON MAY 14	0 ON AUG 25	44 800	1967
1968	11.3 B AT 06:30 CST ON MAR 9	11.0 B ON MAR 9	0 ON JUL 31	14 800	1968
1969	351 B AT 23:00 CST ON APR 11 *	311 B ON APR 12	0 ON JAN 1	371 000	1969
1970	77.8 AT 12:00 CST ON MAY 17	77.5 ON MAY 17	0.093B ON JAN 1	232 000	1970
1971	---	41.8 ON APR 18	0.153 ON JAN 7	128 000	1971
1972	---	90.8 ON MAR 27	0.062 ON FEB 8	194 000	1972
1973	---	3.54 B ON MAR 18	0.016 ON SEP 17	12 700	1973
1974	181 ON APR 19	176 ON APR 20	0.011B ON JAN 10	380 000	1974
1975	193 AT 15:30 CST ON MAY 5	191 ON MAY 5	0.142B ON FEB 6	480 000	1975
1976	---	368 ON APR 10 *	0.227B ON DEC 31	775 000	1976
1977	2.15 AT 11:00 CST ON APR 17	2.12 ON APR 17	0.011 ON SEP 21	10 800	1977
1978	44.5 AT 19:00 CST ON APR 5	43.9 ON APR 5	0.023B ON FEB 10	128 000	1978
1979	242 AT 09:00 CST ON APR 30	239 ON APR 30	0.096B ON MAR 3	488 000	1979
1980	17.6 B AT 24:00 CST ON APR 4	16.8 B ON APR 5	0.011 ON SEP 1	24 800	1980
1981	18.7 B AT 04:30 CST ON FEB 21	16.6 B ON FEB 21	0.005 ON AUG 4	14 800	1981
1982	111 AT 08:00 CST ON APR 18	109 ON APR 18	0.003B ON FEB 1	213 000	1982
1983	56.1 AT 18:00 CST ON APR 22	55.5 ON APR 22	0.028 ON SEP 28	179 000	1983
1984	9.06 B AT 01:00 CST ON MAR 26	8.78 B ON MAR 26	0.001E ON AUG 28	11 800	1984
1985	32.3 B AT 00:30 CST ON MAR 21	30.3 B ON MAR 21	0 B ON JAN 20	46 700	1985
1986	14.7 B AT 17:00 CST ON MAR 5	14.2 B ON MAR 5	0.027B ON FEB 24	44 400	1986
1987	38.8 B AT 15:00 CST ON APR 4	38.4 B ON APR 4	0 B ON DEC 13	47 000	1987
1988	0.183 AT 02:45 CST ON MAY 21	0.139 ON MAY 23	0 B ON JAN 1	448	1988
				119 000	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SOUTH SASKATCHEWAN RIVER AT SASKATCHEWAN LANDING - STATION NO. 05HC001

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	*DEC	MEAN	YEAR
1944	---	---	---	---	107	441	203	287	148	98.8	---	---	---	1944
1945	---	---	116	141	288	830	529	185	183	181	---	---	294	1945
1946	---	---	---	269	303	833	480	158	218	184	---	---	---	1946
1947	---	---	261	877	742	788	437	189	234	223	---	---	458	1947
1959	---	---	188	250	388	718	587	238	175	188	---	---	324	1959
1960	---	---	181	452	411	478	379	182	71.4	80.8	---	---	278	1960
1961	---	---	121	173	388	782	171	172	87.4	138	---	---	338	1961
1962	---	---	135	481	308	445	281	184	182	88.8	---	---	258	1962
1963	---	---	---	183	174	504	701	277	187	140	---	---	---	1963
1964	---	---	97.8	188	583	988	---	---	---	---	---	---	---	1964
MEAN	---	---	172	303	357	675	428	208	180	181	---	---	308	MEAN

LOCATION - LAT 50 39 10 N, LONG 107 56 20 W
DRAINAGE AREA, 139 000 km^2
REGULATED

SOUTH SASKATCHEWAN RIVER AT SASKATCHEWAN LANDING - STATION NO. 05HC001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1944	---	---	---	---	1944
1945	---	1 120 ON JUN 11	62.3B ON MAR 5	5 230 000	1945
1946	---	---	---	---	1946
1947	---	1 8808 ON MAR 25 *	81.7B ON MAR 14	8 700 000	1947
1958	---	1 100 ON JUL 3	89.5B ON MAR 6	7 080 000	1958
1980	---	948 ON MAR 31	47.8 ON OCT 15 *	5 880 000	1980
1981	---	1 040 ON JUN 1	58.3 ON SEP 30	4 980 000	1981
1982	---	858 ON APR 14	73.6E ON OCT 15	5 430 000	1982
1983	---	---	---	---	1983
1984	---	---	---	---	1984
				6 680 000	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SOUTH SASKATCHEWAN RIVER AT SASKATOON - STATION NO. 05HE001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1911	---	---	---	---	---	918	784	886	577	189	88.3	112	---	1911
1912	47.8	85.1	85.2	401	417	988	852	871	484	283	210	83.4	380	1912
1913	36.3	58.1	88.9	448	328	918	887	421	288	224	188	108	311	1913
1914	76.5	80.3	88.1	178	383	747	843	277	226	282	231	80.7	278	1914
1915	85.7	86.4	84.0	382	581	1 020	1 710	854	483	386	172	108	803	1915
1916	72.1	89.4	434	883	382	1 480	1 810	768	842	389	228	140	880	1916
1917	101	86.1	77.7	473	718	1 830	858	328	283	198	128	88.8	407	1917
1918	72.8	83.8	123	376	388	884	421	247	174	148	120	88.8	238	1918
1919	83.3	70.4	84.8	218	287	848	282	273	174	80.8	47.8	48.7	178	1919
1920	88.4	84.8	71.0	442	1 010	718	881	383	184	131	80.8	88.0	340	1920
1921	40.8	48.1	83.1	335	385	727	428	230	121	85.4	78.1	81.0	217	1921
1922	45.4	41.3	88.1	331	435	743	389	323	184	102	88.8	41.8	220	1922
1923	45.8	34.8	40.8	187	240	1 800	805	395	284	188	83.8	78.8	337	1923
1924	44.8	88.3	88.4	228	328	885	827	381	218	142	83.8	88.8	228	1924
1925	81.0	84.8	87.8	896	483	748	487	280	250	244	185	108	384	1925
1926	72.2	78.8	250	295	282	182	425	173	884	487	287	118	284	1926
1927	88.8	78.2	142	711	838	1 480	1 010	888	888	482	208	148	808	1927
1928	288	123	284	808	848	1 180	1 300	404	238	181	143	73.8	428	1928
1929	82.8	80.1	141	211	348	1 210	341	181	108	84.3	80.1	38.0	231	1929
1930	48.4	83.8	178	298	378	828	484	217	142	101	101	81.8	224	1930
1931	83.1	88.8	77.0	132	128	293	324	180	128	85.8	83.1	38.1	139	1931
1932	34.8	38.2	80.4	238	448	1 210	487	188	208	128	81.8	73.8	288	1932
1933	88.2	47.0	83.4	348	483	784	823	182	171	108	184	80.8	258	1933
1934	78.8	117	138	283	884	893	291	118	84.0	108	101	80.3	220	1934
1935	32.2	71.3	87.3	293	288	888	483	288	112	74.8	88.8	88.7	200	1935
1936	32.8	32.0	102	418	424	814	152	88.1	81.8	82.1	33.4	28.3	183	1936
1937	28.7	31.3	43.7	188	138	804	224	187	83.4	84.7	83.8	84.8	148	1937
1938	48.3	42.3	84.8	382	347	847	833	218	140	112	78.8	82.8	262	1938
1939	42.0	44.8	82.0	311	212	833	837	148	100	88.8	87.4	84.2	192	1939
1940	43.8	43.0	82.3	482	474	407	201	187	138	178	78.8	77.8	191	1940
1941	81.2	88.0	87.8	312	128	238	188	107	142	148	103	87.4	133	1941
1942	48.2	43.0	88.8	178	382	1 010	838	417	288	240	88.0	73.8	308	1942
1943	88.3	78.8	82.8	738	382	811	818	281	122	73.0	78.8	88.8	282	1943
1944	88.1	83.1	71.8	202	83.3	348	287	237	188	87.8	71.8	82.2	148	1944
1945	80.8	87.8	83.8	188	214	782	883	180	122	182	83.4	88.8	214	1945
1946	88.1	80.8	188	288	280	748	488	188	203	188	101	88.8	238	1946
1947	88.8	78.8	228	884	788	774	448	178	214	281	202	124	240	1947
1948	102	78.4	84.4	722	1 830	1 880	883	382	178	118	87.8	80.1	474	1948
1949	87.8	88.3	87.8	280	232	438	182	128	72.3	83.8	71.7	43.2	138	1949
1950	48.2	88.1	77.1	331	321	888	883	284	128	83.4	108	88.3	242	1950
1951	85.2	78.8	88.4	820	880	852	1 140	474	780	484	383	185	808	1951
1952	180	143	110	1 280	880	854	888	418	280	178	128	80.8	884	1952
1953	82.8	84.8	108	288	883	1 820	880	273	287	182	127	78.0	408	1953
1954	72.0	81.8	120	337	838	1 020	752	388	801	412	383	137	423	1954
1955	88.8	105	78.2	823	804	783	733	248	123	147	85.7	88.7	312	1955
1956	88.0	87.3	100	823	412	748	817	287	188	148	128	81.8	285	1956
1957	84.2	82.8	137	351	884	828	233	111	118	108	128	78.3	210	1957
1958	85.8	78.2	88.1	451	435	884	482	242	132	113	102	88.8	238	1958
1959	73.8	80.7	138	321	312	728	882	238	184	181	128	188	283	1959
1960	103	118	128	825	384	484	385	193	88.0	80.8	82.8	85.3	218	1960
1961	74.1	82.8	110	202	200	743	180	180	103	108	128	71.0	178	1961
1962	88.2	114	100	432	281	408	274	187	138	83.8	101	88.4	188	1962
1963	41.8	80.4	188	240	188	384	788	274	188	123	83.8	88.8	210	1963
1964	78.2	77.2	48.4	218	820	902	887	148	81.0	108	112	81.0	244	1964
1965	80.8	81.4	78.8	218	478	818	1 080	420	288	382	188	148	348	1965
1966	78.2	104	228	838	413	784	882	88.2	38.3	37.3	31.8	38.3	242	1966
1967	288	241	178	238	328	381	422	178	118	44.8	80.7	318	228	1967
1968	388	138	182	48.3	38.2	38.8	42.8	88.8	48.1	172	224	242	131	1968
1969	371	388	387	307	312	308	788	231	184	203	278	342	338	1969
1970	371	328	187	134	128	191	182	184	148	224	222	328	220	1970
1971	348	377	318	288	237	348	148	81.3	84.8	138	248	328	240	1971
1972	321	308	388	308	201	308	483	328	241	218	287	348	304	1972
1973	378	374	228	108	88.8	143	134	118	174	182	221	328	208	1973
1974	327	284	381	348	328	482	284	218	184	181	288	271	288	1974
1975	318	318	228	188	208	888	388	148	118	212	271	383	288	1975
1976	387	318	283	188	81.1	88.2	77.8	218	218	238	212	327	213	1976
1977	384	284	128	74.4	88.2	82.2	48.8	48.2	47.4	82.7	188	218	124	1977
1978	218	178	182	141	88.8	243	188	133	237	238	237	238	187	1978
1979	388	384	284	138	188	188	73.2	77.4	81.2	124	182	183	184	1979
1980	241	344	188	111	88.1	182	141	88.8	87.8	188	288	287	174	1980
1981	318	283	188	177	127	482	384	481	272	227	244	232	288	1981
1982	384	318	288	181	88.2	87.8	82.4	184	138	183	288	278	183	1982
1983	333	322	217	137	128	88.1	71.3	83.3	113	148	138	232	188	1983
1984	201	112	88.4	88.2	81.8	84.8	88.8	81.8	83.4	87.8	113	184	84.8	1984
1985	183	113	88.8	78.8	117	88.8	48.2	48.8	47.8	81.8	148	222	81.8	1985
1986	248	288	187	71.4	78.2	217	188	181	148	217	271	274	202	1986
1987	---	---	288	178	88.4	88.8	88.7	88.3	82.4	181	182	172	---	1987
1988	---	---	88.2	88.1	81.8	42.1	47.8	82.8	48.1	47.7	88.8	148	---	1988
MEAN	133	127	141	334	348	838	488	248	201	187	142	138	258	MEAN

LOCATION - LAT 52 08 25 N DRAINAGE AREA, 181 000 km²
LONG 108 38 38 W REGULATED

SOUTH SASKATCHEWAN RIVER AT SASKATOON - STATION NO. 05HG001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1911	---	---	---	---	1911
1912	1 450 AT 01:00 CST ON JUL 17	1 420 ON JUL 17	38.28 ON JAN 5	11 400 000	1912
1913	---	1 210 ON JUL 8	32.08 ON JAN 10	8 826 000	1913
1914	---	884 ON JUN 28	44.58 ON DEC 24	8 708 000	1914
1915	3 230 ON JUL 3	3 140 ON JUL 2	60.98 ON FEB 7	15 585 000	1915
1916	---	2 830 ON JUL 4	53.88 ON JAN 28	18 400 000	1916
1917	2 040 ON JUN 8	1 970 ON JUN 9	38.28 ON DEC 23	12 800 000	1917
1918	---	1 180 ON JUN 22	42.28 ON JAN 1	7 498 000	1918
1919	---	980 ON JUN 5	32.08 ON DEC 17	8 910 000	1919
1920	---	1 780 ON MAY 14	21.78 ON DEC 26	10 700 000	1920
1921	---	1 4208 ON APR 15	24.68 ON JAN 1	8 840 000	1921
1922	1 080 AT 18:00 CST ON JUN 13	1 070 ON JUN 13	30.38 ON DEC 23	8 950 000	1922
1923	3 650 AT 03:00 CST ON JUN 7	3 370 ON JUN 7	30.68 ON FEB 20	10 800 000	1923
1924	---	800 ON JUN 24	38.98 ON JAN 10	7 220 000	1924
1925	---	1 3808 ON APR 5	42.28 ON JAN 2	9 580 000	1925
1926	---	1 150 ON SEP 19	65.18 ON JAN 8	6 330 000	1926
1927	---	2 230 ON JUN 17	62.38 ON JAN 23	10 000 000	1927
1928	---	2 490 ON JUL 7	65.18 ON DEC 8	13 800 000	1928
1929	3 280 AT 14:30 CST ON JUN 9	3 090 ON JUN 9	18.68 ON DEC 21	7 300 000	1929
1930	---	885 ON JUN 19	22.18 ON JAN 25	7 070 000	1930
1931	---	583 ON JUN 28	30.08 ON JAN 25	4 050 000	1931
1932	3 200 ON JUN 8	3 140 ON JUN 8	25.28 ON FEB 3	8 510 000	1932
1933	1 080 ON JUN 25	1 080 ON JUN 25	39.18 ON FEB 22	7 900 000	1933
1934	---	1 140 ON JUN 15	39.18 ON DEC 29	8 950 000	1934
1935	---	783 ON JUN 28	28.68 ON JAN 2	6 310 000	1935
1936	---	8818 ON APR 18	14.28 ON DEC 12 *	5 140 000	1936
1937	---	1 110 ON JUN 21	17.68 ON FEB 18	4 880 000	1937
1938	---	1 380 ON JUN 3	27.88 ON MAR 3	7 830 000	1938
1939	---	1 420 ON JUN 24	28.68 ON FEB 17	8 080 000	1939
1940	1 840 AT 18:00 CST ON APR 22	1 570 ON APR 22	32.3 ON NOV 9	8 080 000	1940
1941	---	9288 ON APR 7	39.18 ON NOV 24	4 210 000	1941
1942	1 840 AT 20:00 CST ON JUN 12	1 820 ON JUN 13	27.28 ON FEB 28	8 880 000	1942
1943	---	1 260 ON APR 8	48.- ON DEC 7	8 240 000	1943
1944	---	831 ON JUN 28	38.1 ON DEC 1	4 600 000	1944
1945	---	1 170 ON JUN 14	27.08 ON NOV 20	8 730 000	1945
1946	1 080 AT 20:45 CST ON JUN 15	1 080 ON JUN 15	45.08 ON NOV 15	7 410 000	1946
1947	---	1 8508 ON MAR 28	26.88 ON FEB 17	10 700 000	1947
1948	---	2 7008 ON APR 24	47.88 ON DEC 24	15 000 000	1948
1949	---	841 ON JUN 11	16.8 ON DEC 15	4 400 000	1949
1950	---	1 270 ON APR 15	32.88 ON JAN 7	7 830 000	1950
1951	1 810 AT 19:00 CST ON JUL 1	1 540 ON JUL 1	63.48 ON JAN 20	15 900 000	1951
1952	---	2 420 ON APR 10	52.78 ON NOV 27	12 200 000	1952
1953	4 190 AT 02:00 CST ON JUN 15 *	3 840 ON JUN 15 *	44.58 ON JAN 28	12 600 000	1953
1954	---	1 530 ON SEP 2	50.48 ON JAN 20	13 400 000	1954
1955	---	2 1808 ON APR 10	35.18 ON DEC 1	9 840 000	1955
1956	---	1 1908 ON APR 15	25.58 ON DEC 22	9 000 000	1956
1957	---	885 ON MAY 30	22.78 ON JAN 28	8 630 000	1957
1958	---	8528 ON APR 17	25.58 ON DEC 25	7 530 000	1958
1959	1 330 AT 20:00 CST ON JUL 6	1 250 ON JUL 6	45.08 ON JAN 23	8 310 000	1959
1960	---	1 120 ON APR 3	22.4 ON NOV 8	8 920 000	1960
1961	1 080 AT 13:00 CST ON JUN 4	1 070 ON JUN 4	30.08 ON FEB 15	8 840 000	1961
1962	881 AT 03:00 CST ON APR 15	818A ON APR 15	38.0 ON NOV 19	8 885 000	1962
1963	1 580A AT 08:00 CST ON JUL 8	1 540A ON JUL 8	35.08 ON JAN 30	8 830 000	1963
1964	1 430 AT 12:00 CST ON JUN 15	1 420 ON JUN 15	27.48 ON MAR 7	7 710 000	1964
1965	---	1 6302 ON JUN 27	32.08 ON FEB 4	10 900 000	1965
1966	1 380 AT 15:30 CST ON JUN 13	1 280 ON JUN 13	33.4 ON NOV 8	7 650 000	1966
1967	---	863 ON APR 30	32.8 ON JAN 8	7 190 000	1967
1968	803 AT 08:00 CST ON JAN 10	595 ON JAN 9	28.1 ON MAY 3	4 140 000	1968
1969	1 790 AT 15:45 CST ON JUL 6	1 780 ON JUL 6	150 ON JUN 30	10 600 000	1969
1970	4388 AT 11:52 CST ON NOV 30	3898 ON NOV 30	67.8 ON JUN 15	8 940 000	1970
1971	---	430 JN JUN 6	58.8 ON APR 27	7 570 000	1971
1972	8015 AT 11:06 CST ON JUL 5	7782 ON JUL 5	140 ON DEC 4	9 500 000	1972
1973	493 AT 07:06 CST ON DEC 13	438 ON DEC 13	42.52 ON MAR 23	8 480 000	1973
1974	847 AT 23:25 CST ON JUN 25	835 ON JUN 25	119 ON OCT 28	9 110 000	1974
1975	1 970 AT 17:50 CST ON JUN 25	1 900 ON JUN 25	92.3 ON SEP 25	8 490 000	1975
1976	426 AT 12:06 CST ON AUG 14	419 ON AUG 14	47.8 ON MAY 25	6 740 000	1976
1977	---	3868 ON FEB 1	41.1 ON MAY 15	3 810 000	1977
1978	406 AT 10:51 CST ON SEP 21	406 ON SEP 21	40.2 ON MAY 15	5 800 000	1978
1979	4488 AT 23:58 CST ON JAN 19	4348 ON JAN 20	47.0 ON SEP 17	5 800 000	1979
1980	---	3728 ON FEB 21	48.5 ON MAY 21	8 490 000	1980
1981	668 AT 20:25 CST ON AUG 9	666 ON AUG 10	48.2 ON MAY 22	8 030 000	1981
1982	---	4218 ON JAN 19	50.8 ON JUN 20	8 760 000	1982
1983	---	3788 ON JAN 20	57.3A ON AUG 8	8 200 000	1983
1984	---	2808 ON JAN 15	30.7 ON OCT 30	2 870 000	1984
1985	---	3258 ON DEC 4	28.3 ON NOV 8	2 890 000	1985
1986	402 AT 22:31 CST ON OCT 30	400 ON OCT 21	44.8 ON APR 14	8 280 000	1986
1987	---	---	48.8 ON JUN 8	---	1987
1988	---	---	34.7 ON NOV 15	---	1988
				8 190 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SOUTH SASKATCHEWAN RIVER AT ST. LOUIS - STATION NO. 05HH001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1958	---	---	---	---	---	---	482	242	128	110	116	78.0	---	1958
1959	82.0	99.5	134	306	288	688	695	233	159	191	98.6	136	251	1959
1960	89.6	87.8	113	585	350	483	370	193	87.1	87.1	89.2	85.2	207	1960
1961	86.2	58.6	82.2	181	173	716	198	148	106	109	148	82.4	188	1961
1962	79.8	81.4	89.6	367	248	384	283	148	126	75.0	118	83.3	188	1962
1963	80.1	83.2	143	235	148	356	609	271	185	121	88.7	84.6	197	1963
1964	77.4	78.2	84.7	241	449	822	693	149	90.0	104	132	88.3	235	1964
1965	85.6	80.1	84.8	203	483	780	1 070	428	278	368	210	143	340	1965
1966	71.6	80.2	220	518	381	780	573	81.9	30.4	31.4	27.8	31.1	237	1966
1967	229	226	178	225	336	354	414	187	118	51.6	48.6	288	230	1967
1968	358	121	163	70.6	34.6	37.6	38.9	80.6	47.9	188	218	226	128	1968
1969	362	387	353	318	316	312	788	230	192	211	286	292	335	1969
1970	336	278	173	127	131	196	195	300	148	219	221	327	212	1970
1971	336	370	281	260	236	357	144	80.1	81.4	132	218	318	236	1971
1972	336	288	329	321	195	312	445	334	251	218	280	336	303	1972
1973	341	313	220	131	87.9	151	140	115	165	150	184	236	188	1973
1974	248	284	287	368	347	482	293	212	184	138	195	281	271	1974
1975	321	310	254	233	205	548	388	144	115	205	248	278	271	1975
1976	358	331	257	184	82.2	81.8	76.5	223	227	238	288	325	223	1976
1977	325	298	134	101	85.0	84.5	83.7	80.8	81.0	82.7	148	200	126	1977
1978	170	152	180	183	83.8	284	184	148	241	234	230	221	187	1978
1979	308	313	288	183	158	189	74.9	81.7	88.8	122	143	177	171	1979
1980	228	352	215	131	70.1	136	142	81.8	88.7	188	267	281	178	1980
1981	296	289	178	179	118	488	338	445	268	221	234	300	288	1981
1982	351	322	248	181	104	85.2	80.9	84.1	114	157	213	278	182	1982
1983	320	280	206	140	122	87.8	72.4	83.8	113	152	128	217	158	1983
1984	178	101	88.2	77.3	88.1	84.1	48.8	81.8	88.8	81.8	105	88.8	78.8	1984
1985	108	118	81.8	74.7	108	77.1	48.1	81.8	88.8	88.2	113	241	82.8	1985
1986	238	241	187	73.8	82.0	198	144	183	148	302	278	247	183	1986
1987	236	307	288	178	88.8	81.7	82.4	80.8	78.4	188	187	195	188	1987
1988	227	183	80.8	72.2	88.3	42.8	82.4	84.8	48.1	82.3	82.8	137	88.4	1988
MEAN	228	213	183	212	188	314	298	182	130	148	170	195	202	MEAN

LOCATION - LAT 52 58 25 N DRAINAGE AREA, 148 000 km²
LONG 106 48 20 W REGULATED

SOUTH SASKATCHEWAN RIVER AT ST. LOUIS - STATION NO. 05HH001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1958	---	---	---	---	1958
1959	---	1 170 ON JUL 8	36.2B ON NOV 8	7 820 000	1959
1960	---	1 530 ON APR 4	37.4B ON DEC 14	8 880 000	1960
1961	1 020 AT 08:00 CST ON JUN 8	1 000 ON JUN 8	32.8B ON DEC 13	8 300 000	1961
1962	---	7148 ON APR 17	27.6B ON DEC 10	8 300 000	1962
1963	1 250 AT 19:00 CST ON JUL 8	1 290 ON JUL 9	16.3B ON FEB 2 *	6 220 000	1963
1964	1 280 AT 24:00 CST ON JUN 20	1 250 ON JUN 20	32.3B ON MAR 11	7 430 000	1964
1965	---	1 450 ON JUN 28	28.3B ON JAN 19	10 700 000	1965
1966	1 230 AT 04:00 CST ON JUN 14	1 210 ON JUN 14	18.0B ON NOV 6	7 480 000	1966
1967	---	800 ON JUL 24	28.0B ON JAN 10	8 850 000	1967
1968	---	5448 ON JAN 5	23.0A ON MAY 2	4 050 000	1968
1969	---	1 730 ON JUL 7	140 ON JUN 25	10 800 000	1969
1970	---	4228 ON JAN 4	80.4B ON APR 30	8 700 000	1970
1971	438 AT 10:12 CST ON JUN 10	436 ON JUN 10	80.3 ON SEP 8	7 430 000	1971
1972	833 AT 01:08 CST ON JUL 8	770 ON JUL 8	123 ON MAY 3	8 880 000	1972
1973	---	3858 ON JAN 15	88.3B ON MAR 27	5 850 000	1973
1974	---	810A ON JUN 28	102 ON OCT 30	8 880 000	1974
1975	1 930 AT 10:48 CST ON JUN 27 *	1 880 ON JUN 27 *	82.8 ON SEP 17	8 540 000	1975
1976	---	4828 ON DEC 16	80.7 ON MAY 30	7 050 000	1976
1977	4058 AT 21:03 CST ON FEB 2	4028 ON FEB 2	45.3 ON AUG 28	3 930 000	1977
1978	438 AT 17:20 CST ON JUN 21	436 ON JUN 16	28.6 ON MAY 17	8 880 000	1978
1979	3838 AT 02:27 CST ON JAN 21	3788 ON JAN 21	49.6 ON SEP 18	8 380 000	1979
1980	---	3888 ON FEB 18	41.5 ON AUG 23	8 540 000	1980
1981	838 AT 22:57 CST ON AUG 4	832 ON AUG 5	48.7B ON MAR 24	8 480 000	1981
1982	4318 AT 04:48 CST ON JAN 20	4288 ON JAN 20	81.4 ON JUL 1	8 750 000	1982
1983	3818 AT 11:20 CST ON JAN 7	3878 ON JAN 7	88.3 ON JUN 8	8 010 000	1983
1984	2308 AT 20:03 CST ON JAN 18	2228 ON JAN 1	38.8B ON NOV 2	2 820 000	1984
1985	3218 AT 08:37 CST ON DEC 8	3188 ON DEC 8	41.2 ON JUL 11	2 820 000	1985
1986	408 AT 04:14 CST ON OCT 22	403 ON OCT 22	88.0B ON APR 18	8 080 000	1986
1987	3828 AT 17:02 CST ON MAR 7	3888 ON MAR 7	47.0 ON JUN 11	4 800 000	1987
1988	2938 AT 22:37 CST ON JAN 8	2888 ON JAN 8	38.8 ON JUN 22	2 730 000	1988
				8 380 000	MEAN

A - MANUAL GAUGE B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD
(SEE REFERENCE INDEX)

SOUTH SASKATCHEWAN RIVER BELOW GARDINER DAM - STATION NO. 05HF004

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1988	---	---	---	---	---	---	520	44.7	---	---	---	---	---	1988
1988	---	---	---	---	37.1	35.1	41.8	48.5	48.3	195	231	278	---	1988
1989	358	388	334	284	328	308	804	237	198	203	288	233	338	1989
MEAN	358	388	334	284	183	170	488	110	122	199	243	304	338	MEAN

LOCATION - LAT 51 19 20 N DRAINAGE AREA, 138 000 km²
LONG 108 57 18 W REGULATED SINCE 1984

SOUTH SASKATCHEWAN RIVER BELOW GARDINER DAM - STATION NO. 05HF004

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1958	---	---	---	---	1958
1959	---	---	---	---	1959
1959	1 980 AT 07:34 MST ON JUL 5 *	1 890 ON JUL 4 *	93.28 ON JAN 10 *	10 800 000	1959
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		10 800 000	MEAN

SOUTH SASKATCHEWAN RIVER NEAR LEMSFORD - STATION NO. 05HB001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1958	---	---	---	---	---	---	---	---	---	127	138	107	---	1958
1959	74.9	97.6	182	234	376	742	534	224	168	168	145	142	258	1959
1960	103	115	248	428	403	481	348	178	95.2	80.3	73.6	74.8	212	1960
1961	78.8	70.5	118	134	322	703	190	157	89.9	135	120	93.2	182	1961
1962	95.7	121	120	368	282	405	244	148	148	88.8	107	88.8	181	1962
1963	86.6	73.1	185	178	186	482	884	248	186	130	93.3	88.8	210	1963
1964	83.8	93.4	101	188	551	875	480	134	83.8	128	118	84.0	248	1964
1965	102	105	155	500	395	951	1 030	328	314	233	184	149	381	1965
1966	102	118	278	412	411	775	556	241	188	138	105	107	288	1966
1967	88.2	107	185	490	740	1 520	581	193	117	88.6	112	93.1	380	1967
1968	82.4	88.4	152	134	161	595	298	208	225	200	171	98.8	207	1968
1969	100	95.8	157	613	518	841	1 030	262	140	123	114	80.4	325	1969
1970	88.8	85.7	104	288	352	810	417	184	88.7	110	113	74.8	220	1970
1978	---	---	---	---	---	---	---	---	---	---	---	---	---	1978
MEAN	88.7	98.4	183	333	398	784	536	208	148	147	123	93.0	258	MEAN

LOCATION - LAT 51 01 20 N, LONG 109 07 30 W. DRAINAGE AREA, 119 000 km^2. REGULATED

SOUTH SASKATCHEWAN RIVER NEAR LEMSFORD - STATION NO. 05HB001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1958	---	---	---	---	1958
1959	---	1 250 ON JUL 1	43.68 ON JAN 14	8 140 000	1959
1960	---	1 180 ON MAR 30	48.2A ON OCT 13	8 700 000	1960
1961	1 130 AT 17:00 CST ON MAY 31	1 100 ON MAY 31	36.38 ON FEB 3	8 720 000	1961
1962	493 AT 17:00 CST ON JUN 24	487 ON JUN 21	33.28 ON DEC 27 *	5 720 000	1962
1963	1 770 AT 08:30 CST ON JUL 4	1 680 ON JUL 4	38.48 ON NOV 21	8 820 000	1963
1964	1 810 AT 08:00 CST ON JUN 13	1 800 ON JUN 13	40.88 ON DEC 3	7 890 000	1964
1965	1 880 AT 04:00 CST ON JUN 23	1 880 ON JUN 23	78.28 ON DEC 31	12 000 000	1965
1966	1 280 AT 01:00 CST ON JUN 8	1 220 ON JUN 8	48.78 ON JAN 7	8 980 000	1966
1967	2 810 AT 19:30 CST ON JUN 4	2 440 ON JUN 4	47.88 ON DEC 28	11 400 000	1967
1968	878 AT 09:00 CST ON JUN 13	876 ON JUN 13	37.88 ON DEC 18	8 840 000	1968
1969	2 200 AT 11:00 CST ON JUL 3	2 180 ON JUL 3	48.48 ON DEC 14	10 200 000	1969
1970	1 900 AT 00:30 CST ON JUN 21	1 830 ON JUN 21	34.38 ON DEC 2	8 980 000	1970
1978	2 940 AT 11:11 CST ON JUN 24 *	2 890 ON JUN 24 *	---	---	1978
	A - MANUAL GAUGE (SEE REFERENCE INDEX)	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD	8 070 000	MEAN

SOUTH SASKATCHEWAN RIVER NEAR OUTLOOK - STATION NO. 05HF001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1947	---	---	---	---	---	782	471	210	280	331	---	---	---	1947
1948	---	---	---	---	1 880	1 710	848	483	178	184	---	---	---	1948
1949	---	---	---	288	232	423	181	140	95.4	45.8	---	---	---	1949
1950	---	---	---	---	339	717	887	338	186	131	---	---	---	1950
1951	---	---	---	587	888	895	1 140	823	783	483	---	---	---	1951
1952	---	---	---	1 210	889	897	873	404	238	184	---	---	---	1952
1953	---	---	---	---	818	1 780	858	389	251	183	---	---	---	1953
1954	---	---	---	---	878	898	720	418	780	374	277	---	---	1954
1955	---	---	---	---	587	728	882	288	148	184	---	---	---	1955
1956	---	---	---	---	484	784	881	313	228	181	---	---	---	1956
1957	---	---	---	---	859	812	378	128	140	181	---	---	---	1957
1958	---	---	---	---	505	887	827	287	188	142	---	---	---	1958
1959	---	---	---	321	382	788	824	288	184	208	---	---	---	1959
1960	---	---	---	527	418	488	380	208	87.4	88.7	---	---	---	1960
1961	---	---	---	200	243	774	184	180	103	118	---	---	---	1961
1962	---	---	---	---	307	387	287	188	140	86.8	---	---	---	1962
1963	---	---	---	---	187	421	868	270	178	128	---	---	---	1963
1964	---	---	---	---	888	884	878	183	88.2	128	---	---	---	1964
1965	---	---	---	---	808	838	1 170	388	271	212	---	---	---	1965
1966	---	---	---	804	381	837	878	82.8	32.0	31.2	---	---	---	1966
MEAN	---	---	---	512	838	828	883	271	221	178	277	---	---	MEAN

LOCATION - LAT 51 28 25 N, LONG 107 04 40 W. DRAINAGE AREA, 136 000 km^2. REGULATED

SOUTH SASKATCHEWAN RIVER NEAR OUTLOOK - STATION NO. 05HF001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1947	---	---	---	---	1947
1948	---	---	---	---	1948
1949	---	544 ON JUN 9	---	---	1949
1950	---	---	---	---	1950
1951	---	1 600 ON JUN 30	---	---	1951
1952	---	2 330 ON APR 11 *	---	---	1952
1953	---	---	---	---	1953
1954	---	---	---	---	1954
1955	---	---	---	---	1955
1956	---	---	---	---	1956
1957	---	---	---	---	1957
1958	---	---	---	---	1958
1959	---	1 330 ON JUL 4	---	---	1959
1960	---	1 190 ON APR 1	---	---	1960
1961	---	1 130 ON JUN 3	---	---	1961
1962	---	---	---	---	1962
1963	---	---	---	---	1963
1964	---	---	---	---	1964
1965	---	---	---	---	1965
1966	---	1 500 ON JUN 12	---	---	1966
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD	---	---	MEAN

SPANGLER DITCH NEAR ADAMS CREEK - STATION NO. 11AB018

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1912	---	---	0	0	0	0.048	0.058	0.002	0	0	---	---	0.014	1912
1913	---	---	0	0	0.013	0.031	0.003	0	0	0	---	---	0.008	1913
1914	---	---	0	0	0.020	0.050	0.001	0	0	0	---	---	0.009	1914
1915	---	---	0	0	0.008	0	0.041	0.001	0	0	---	---	0.008	1915
1916	---	---	0	0	0	0	0	0	0	0	---	---	0	1916
1917	---	---	0	0	0	0.032	0.101	0.008	0	0	---	---	0.018	1917
1918	---	---	0	0	0	0.011	0.004	0	0.003	0.013	0.013	---	0.004	1918
1919	---	---	0	0.005	0	0	0	0	0	0	---	---	0.001	1919
1921	---	---	0	0.018	0.008	0	0.010	0	0	0	---	---	0.004	1921
1922	---	---	0	0	0.004	0.023	0.005	0	0	0	---	---	0.004	1922
1923	---	---	0	0	0	0.033	0.002	0	0	0.001	---	---	0.004	1923
1924	---	---	0	0.004	0.008	0.009	0	0	0	0	---	---	0.002	1924
1925	---	---	0	0	0.018	0.060	0	0	0	0	---	---	0.007	1925
1926	---	---	0	0	0.028	0.004	0	0	0	0	---	---	0.004	1926
1927	---	---	0	0	0	0	0.010	0.015	0	0	---	---	0.003	1927
1928	---	---	0	0	0.002	0.008	0	0	0	0	---	---	0.001	1928
1929	---	---	0	0	0	0.027	0.012	0	0	0	---	---	0.005	1929
1930	---	---	0	0	0.005	0.027	0.002	0	0	0	---	---	0.004	1930
MEAN	---	---	0	0.001	0.005	0.019	0.014	0.002	0	0.001	0.013	---	0.005	MEAN

LOCATION - LAT 49 32 00 N
LONG 108 47 00 W REGULATED

SPANGLER DITCH NEAR ADAMS CREEK - STATION NO. 11AB018

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1912	---	0.051 ON JUN 15	0 ON MAR 1 *	268	1912
1913	---	0.082 ON JUN 4	0 ON MAR 1	126	1913
1914	---	0.142 ON JUN 5	0 ON MAR 1	167	1914
1915	---	0.138 ON JUL 5	0 ON MAR 1	128	1915
1916	---	0 ON MAR 1	0 ON MAR 1	0	1916
1917	---	0.187 ON JUL 5 *	0 ON MAR 1	377	1917
1918	---	0.036 ON JUN 26	0 ON MAR 1	51.1	1918
1919	---	0.023 ON APR 23	0 ON MAR 1	12.4	1919
1921	---	0.034 ON APR 15	0 ON MAR 1	67.8	1921
1922	---	0.060 ON JUN 15	0 ON MAR 1	83.0	1922
1923	---	0.071 ON JUN 20	0 ON MAR 1	93.3	1923
1924	---	0.026 ON MAY 30	0 ON MAR 1	49.8	1924
1925	---	0.071 ON JUN 10	0 ON MAR 1	147	1925
1926	---	0.042 ON MAY 4	0 ON MAR 1	84.8	1926
1927	---	0.048 ON JUL 25	0 ON MAR 1	65.8	1927
1928	---	0.023 ON JUN 7	0 ON MAR 1	37.3	1928
1929	---	0.048 ON JUN 12	0 ON MAR 1	101	1929
1930	---	0.028 ON MAY 28	0 ON MAR 1	80.3	1930
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		113	MEAN

SPANGLER DITCH NEAR COVENLOCK - STATION NO. 11AB080

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1915	---	---	---	---	---	---	---	0	0	0	---	---	---	1915
1916	---	---	0	0	0	0	0	0	0	0	---	---	0	1916
1917	---	---	0	0	0	0	0	0	0	0	---	---	0	1917
1918	---	---	0	0	0	0	0	0	0	0	---	---	0	1918
1919	---	---	0	0	---	0	0	0	0	0	---	---	---	1919
1920	---	---	0	0	0	---	---	0	0	0	---	---	---	1920
1922	---	---	0	0	0.052	0.011	0	0	0	0	---	---	0.008	1922
1924	---	---	0	0	0.008	0.010	0	0	0	0	---	---	0.002	1924
1925	---	---	0	0	0	0	0	0	0	0	---	---	0	1925
1926	---	---	0	0	0	0	0	0	0	0	---	---	0	1926
1927	---	---	0	0	0.030	0	0	0	0	0	---	---	0.004	1927
1928	---	---	0	0	0	0	0	0	0	0	---	---	0	1928
1929	---	---	0	0.014	0.028	0.007	0	0	0	0	---	---	0.008	1929
1930	---	---	0	0.009	0.028	0	0	0	0	0	---	---	0.005	1930
1931	---	---	0	0	0.113	0.020	0	0	0	0	---	---	0.017	1931
1950	---	---	0	0.726	0.042	0	0	0	0	0	---	---	0.094	1950
1951	---	---	0	0.493	0.888	0.022	0	0.055	0.008	0	---	---	0.083	1951
1952	---	---	0	0.178	0.136	0.001	0	0	0	0	---	---	0.038	1952
1953	---	---	0.017	0.381	0.041	0.083	0.012	0	0	0	---	---	0.064	1953
1954	---	---	0	0.554	0.146	0.072	0.006	0.038	0.006	0.006	---	---	0.102	1954
1955	---	---	0.032	0.422	0.020	0	0.245	0	0.126	0	---	---	0.106	1955
1956	---	---	0.063	0.405	0.064	0.008	0.126	0.178	0.001	0.125	---	---	0.118	1956
1957	---	---	0.041	0.473	0.108	0	0.180	0.207	0.016	0.078	---	---	0.147	1957
1958	---	---	0.117	0.487	0.008	0	0.031	0.404	0	0	---	---	0.127	1958
1959	---	---	0.322	0.513	0.028	0	0	0	0	0	---	---	0.107	1959
1960	---	---	0.136	0.531	0.088	0	0	0	0	0	---	---	0.088	1960
1961	---	---	0	0	0.198	0.111	0.115	0	0	0	---	---	0.053	1961
1962	---	---	0	0	0	0	0.480	0.081	0	0	---	---	0.074	1962
1963	---	---	0	0.085	0.188	0.387	0.325	0.055	0.183	0.110	---	---	0.151	1963
1964	---	---	0	0.177	0.383	0.318	0.170	0.287	0	0	---	---	0.184	1964
1965	---	---	0	0	0.479	0.138	0.002	0	0	0	---	---	0.078	1965
1966	---	---	0	0.614	0.888	0.414	0	0.490	0	0	---	---	0.188	1966
1967	---	---	0	0	0.431	0.709	0.385	0.134	0	0	---	---	0.208	1967
1968	---	---	0	0	0.445	0.428	0.078	0.220	0	0	---	---	0.158	1968
1969	---	---	0	0.193	0.274	0.489	0	0.471	0	0	---	---	0.178	1969
1970	---	---	0	0	0.488	0.087	0.048	0.384	0	0	---	---	0.123	1970
1971	---	---	0	0.095	0.578	0.127	0.502	0.073	0	0	---	---	0.173	1971
1972	---	---	0.034	0.211	0.478	0.388	0.502	0.117	0	0	---	---	0.214	1972
1973	---	---	0	0	0.482	0.070	0.414	0.008	0	0	---	---	0.123	1973
1974	---	---	0	0	0.288	0.342	0.310	0.277	0.004	0	---	---	0.163	1974
1975	---	---	0	0	0.237	0.438	0.124	0.231	0	0	---	---	0.128	1975
1976	---	---	0	0	0.408	0	0.238	0.102	0	0	---	---	0.095	1976
1977	---	---	0	0	0.348	0.041	0.580	0.004	0	0	---	---	0.124	1977
1978	---	---	0	0	0	0.485	0.035	0.384	0.001	0	---	---	0.114	1978
1979	---	---	0	0	0.171	0.578	0.184	0.158	0.001	0	---	---	0.138	1979
1980	---	---	0	0	0.810	0	0.343	0.006	0.002	0	---	---	0.122	1980
1981	---	---	0	0	0.354	0.188	0	0.001	0	0	---	---	0.068	1981
1982	---	---	0	0.101	0.888	0.393	0.285	0.180	0	0	---	---	0.128	1982
1983	---	---	0	0.248	0.181	0.384	0.188	0.197	0	0	---	---	0.150	1983
1984	---	---	0	0	0.312	0	0	0	0	0	---	---	0.039	1984
1985	---	---	0	0	0.842	0	0.295	0	0	0	---	---	0.119	1985
1986	---	---	0.348	0	0.280	0.190	0.272	0.038	0.048	0	---	---	0.147	1986
1987	---	---	0	0	0.478	0	0.415	0	0	0	---	---	0.113	1987
1988	---	---	0	0.308	0.281	0	0.487	0	0	0	---	---	0.118	1988
MEAN	---	---	0.021	0.132	0.188	0.130	0.142	0.082	0.007	0.008	---	---	0.083	MEAN

LOCATION - LAT 49 08 18 N
LONG 108 54 58 W REGULATED

INTERNATIONAL GAUGING STATION

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1915	---	---	---	---	1915
1916	---	0 ON MAR 1	0 ON MAR 1 *	0	1916
1917	---	0 ON MAR 1	0 ON MAR 1	0	1917
1918	---	0 ON MAR 1	0 ON MAR 1	0	1918
1919	---	---	---	---	1919
1920	---	---	---	---	1920
1922	---	0.249 ON MAY 15	0 ON MAR 1	188	1922
1924	---	0.610E ON JUN 1	0 ON MAR 1	42.0	1924
1925	---	0 ON MAR 1	0 ON MAR 1	0	1925
1926	---	0 ON MAR 1	0 ON MAR 1	0	1926
1927	---	0.119 ON MAY 23	0 ON MAR 1	80.8	1927
1928	---	0 ON MAR 1	0 ON MAR 1	0	1928
1929	---	0.028E ON MAY 1	0 ON MAR 1	124	1929
1930	---	0.170 ON MAY 1	0 ON MAR 1	87.5	1930
1931	---	0.142 ON MAY 14	0 ON MAR 1	357	1931
1950	---	1.84 ON APR 22 *	0 ON MAR 1	1 990	1950
1951	---	1.50 ON APR 10	0B ON MAR 1	1 770	1951
1952	---	0.924B ON APR 8	0B ON MAR 1	830	1952
1953	---	0.884 ON APR 25	0 ON MAR 1	1 380	1953
1954	---	1.03 ON APR 15	0 ON MAR 1	2 170	1954
1955	---	1.14 ON APR 10	0 ON MAR 1	2 240	1955
1956	---	1.03 ON APR 11	0B ON MAR 1	2 520	1956
1957	---	1.28 B ON APR 1	0B ON MAR 1	3 120	1957
1958	---	1.40 ON MAR 31	0B ON MAR 1	2 860	1958
1959	---	1.32 ON APR 3	0 ON MAR 1	2 280	1959
1960	---	0.708 ON APR 24	0B ON MAR 1	1 880	1960
1961	---	0.810 ON JUL 9	0 ON MAR 1	1 130	1961
1962	---	1.23 ON JUL 12	0 ON MAR 1	1 950	1962
1963	---	1.44 ON JUL 25	0 ON MAR 1	3 200	1963
1964	---	1.41 ON MAY 21	0 ON MAR 1	3 470	1964
1965	---	1.40 ON JUN 26	0 ON MAR 1	1 840	1965
1966	---	1.88 ON JUN 4	0 ON MAR 1	3 940	1966
1967	---	1.75 ON JUN 14	0 ON MAR 1	4 420	1967
1968	---	1.37 ON MAY 3	0 ON MAR 1	3 270	1968
1969	---	1.36 ON AUG 12	0 ON MAR 1	3 780	1969
1970	---	1.58 ON MAY 22	0 ON MAR 1	2 600	1970
1971	---	1.34 ON JUL 27	0 ON MAR 1	3 650	1971
1972	---	1.35 ON JUL 28	0B ON MAR 1	4 530	1972
1973	---	1.38 ON MAY 25	0 ON MAR 1	2 600	1973
1974	---	1.14 ON JUL 24	0 ON MAR 1	3 230	1974
1975	---	1.13 ON JUL 30	0 ON MAR 1	2 720	1975
1976	---	1.33 ON MAY 20	0 ON MAR 1	2 000	1976
1977	---	1.80 ON MAY 27	0 ON MAR 1	2 820	1977
1978	---	1.27 ON AUG 1	0 ON MAR 1	2 410	1978
1979	---	1.17 ON JUN 5	0 ON MAR 1	2 870	1979
1980	---	1.38 ON MAY 13	0 ON MAR 1	2 570	1980
1981	---	1.09 ON MAY 28	0 ON MAR 1	1 390	1981
1982	---	1.24 ON APR 30	0 ON MAR 1	2 660	1982
1983	---	1.31 ON APR 27	0 ON MAR 1	3 170	1983
1984	---	1.08 ON MAY 11	0 ON MAR 1	834	1984
1985	---	1.62 ON JUL 9	0 ON MAR 1	2 610	1985
1986	---	1.37 ON MAY 21	0 ON MAR 1	3 120	1986
1987	---	1.32 ON MAY 18	0 ON MAR 1	2 390	1987
1988	---	1.20 ON MAY 1	0 ON MAR 1	2 520	1988
				1 970	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SPIRIT CREEK NEAR BUCHANAN - STATION NO. 05MB007

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1957	---	---	---	2.38	5.53	2.05	---	---	---	---	---	---	---	1957
1958	---	---	0.110	0.388	---	---	---	---	---	---	---	---	---	1958
1959	---	---	0.188	0.310	---	---	---	---	---	---	---	---	---	1959
1960	---	---	0.045	1.79	0.181	---	---	---	---	---	---	---	---	1960
1961	---	---	---	0	---	---	---	---	---	---	---	---	---	1961
1962	---	---	---	1.18	0.117	---	---	---	---	---	---	---	---	1962
1963	---	---	0.081	0.026	---	---	---	---	---	---	---	---	---	1963
1964	---	---	---	0.300	0.031	---	---	---	---	---	---	---	---	1964
1965	---	---	0	0.780	0.071	0.085	0.041	0	0	0.010	---	---	0.120	1965
1966	---	---	0	2.24	0.470	0.014	0.002	0.018	0.003	0	---	---	0.339	1966
1967	---	---	0	1.10	1.23	0.018	0	0	0	0	---	---	0.293	1967
1968	---	---	0.371	0.140	0.010	0.002	0	0	0	0	---	---	0.066	1968
1969	0	0	0	0.973	0.008	0.002	0.018	0.002	0	0	0	0	0.123	1969
1970	0	0	0	0.888	0.317	0.002	0.002	0	0	0	0	0	0.159	1970
1971	0	0	0	2.81	0.028	0.006	0	0.001	0	0	0	0	0.324	1971
1972	---	---	0	4.11	0.434	0.001	0	0	0	0	---	---	0.558	1972
1973	---	---	0.075	0.118	0.026	0.170	0.038	0	0	0	---	---	0.051	1973
1974	---	---	0	3.11	2.18	0.288	0.001	0	0	0	---	---	0.887	1974
1975	---	---	0	3.04	1.11	0.023	0	0	0	0	---	---	0.515	1975
1976	---	---	0	4.72	0.048	0.148	0.027	0	0	0	---	---	0.605	1976
1977	---	---	0	0.521	0.002	0	0	0	0	0	---	---	0.084	1977
1978	---	---	0	0.533	0.015	0.003	0.148	0	0	0	---	---	0.088	1978
1979	---	---	0	3.77	1.51	0.088	0.001	0	0	0	---	---	0.881	1979
1980	---	---	0	1.33	0.002	0	0	0	0	0	---	---	0.183	1980
1981	---	---	0.082	0.002	0	0	0.007	0	0	0.008	---	---	0.014	1981
1982	---	---	0.022	0.580	0.003	0	0.001	0	0	0	---	---	0.074	1982
1983	---	---	0	1.81	0.317	0.020	0.021	0.003	0.001	0	---	---	0.287	1983
1984	---	---	0.848	0.470	0.021	0.093	0.010	0	0.001	0.001	---	---	0.180	1984
1985	---	---	0	4.58	0.128	0.001	0	0	0	0	---	---	0.574	1985
1986	---	---	0.717	1.98	0.018	0	0.004	0.018	0	0	---	---	0.339	1986
1987	---	---	0.008	1.84	0.025	0.022	0	0	0	0	---	---	0.233	1987
1988	---	---	0	3.88	0.078	0	0	0	0	0	---	---	0.488	1988
MEAN	0	0	0.088	1.80	0.488	0.121	0.013	0.002	0	0.001	0	0	0.290	MEAN

LOCATION - LAT 51 42 30 N DRAINAGE AREA, 258 km²
LONG 103 48 21 W REGULATED

SPIRIT CREEK NEAR BUCHANAN - STATION NO. 05MB007

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1957	---	---	---	---	1957
1958	---	1.84 ON APR 1	0E ON MAR 1 *	---	1958
1959	---	0.830 ON APR 2	0E ON MAR 1	---	1959
1960	---	9.89 ON APR 15	0E ON MAR 1	---	1960
1961	---	---	---	---	1961
1962	---	---	---	---	1962
1963	---	0.388 ON MAR 27	0E ON MAR 1	---	1963
1964	---	---	---	---	1964
1965	---	2.78 ON APR 12	0E ON MAR 1	2 540	1965
1966	---	8.84 A ON APR 13	0E ON MAR 1	7 170	1966
1967	10.7 AT 23:30 CST ON APR 26	7.02 ON APR 30	0E ON MAR 1	8 210	1967
1968	3.58 A AT 24:00 CST ON MAR 27	2.32 A ON MAR 27	0E ON MAR 1	1 380	1968
1969	10.6 B AT 04:30 CST ON APR 14	7.90 B ON APR 14	0E ON MAR 1	2 800	1969
1970	---	3.88 ON APR 10	0E ON MAR 1	3 370	1970
1971	14.9 B AT 00:58 CST ON APR 15	11.0 B ON APR 15	0E ON MAR 1	8 880	1971
1972	---	18.1 E ON APR 15	0E ON MAR 1	11 800	1972
1973	2.12 AT 11:11 CST ON JUN 4	1.70 ON JUN 4	0E ON MAR 1	1 090	1973
1974	24.7 AT 23:40 CST ON APR 20	18.5 ON APR 21	0E ON MAR 1	14 800	1974
1975	19.7 AT 03:37 CST ON APR 29	9.80 ON APR 29	0E ON MAR 1	10 800	1975
1976	28.6 AT 19:15 CST ON APR 14 *	20.1 ON APR 14 *	0E ON MAR 1	12 800	1976
1977	4.84 B AT 00:34 CST ON APR 10	2.88 B ON APR 10	0E ON MAR 1	1 380	1977
1978	4.96 AT 13:08 CST ON JUL 1	2.04 ON JUL 1	0E ON MAR 1	1 820	1978
1979	23.0 AT 22:08 CST ON APR 23	16.2 ON APR 24	0E ON MAR 1	14 000	1979
1980	10.2 AT 02:24 CST ON APR 14	7.00 ON APR 14	0E ON MAR 1	3 480	1980
1981	0.958B AT 02:53 CST ON MAR 15	0.478B ON MAR 15	0 ON APR 28	288	1981
1982	2.53 B AT 14:50 CST ON APR 14	2.36 B ON APR 14	0E ON MAR 1	1 570	1982
1983	18.0 B AT 01:24 CST ON APR 23	13.0 B ON APR 23	0E ON MAR 1	5 860	1983
1984	5.80 B AT 01:18 CST ON MAR 28	4.75 B ON MAR 28	0E ON MAR 1	3 820	1984
1985	16.0 AT 00:29 CST ON APR 10	12.0 ON APR 10	0E ON MAR 1	12 100	1985
1986	11.2 B AT 01:36 CST ON APR 2	8.77 B ON APR 2	0E ON MAR 1	7 170	1986
1987	13.9 B AT 00:48 CST ON APR 5	10.6 B ON APR 5	0E ON MAR 1	4 830	1987
1988	21.3 AT 22:53 CST ON APR 5	16.6 ON APR 5	0E ON MAR 1	9 880	1988
				8 130	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SPRING CREEK NEAR WYNYARD - STATION NO. 05MA001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1918	---	---	---	---	---	---	---	---	0.003	0.008	0.010	0.005	---	1918
MEAN	---	---	---	---	---	---	---	---	0.003	0.008	0.010	0.005	---	MEAN

LOCATION - LAT 51 48 24 N DRAINAGE AREA, 57.5 km²
LONG 104 08 54 W NATURAL FLOW

SPRING NO. 1 NEAR GULL LAKE - STATION NO. 05HA029

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1914	---	---	---	---	---	---	---	---	---	---	---	---	---	1914
1915	---	---	---	---	---	---	0.003	0.001	0.002	0.003	---	---	---	1915
MEAN	---	---	---	---	---	---	0.003	0.001	0.002	0.003	---	---	---	MEAN

LOCATION - LAT 50 02 35 N
LONG 108 25 55 W NATURAL FLOW

SPRING NO. 1 NEAR GULL LAKE - STATION NO. 05HA029

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1914	---	---	0R ON JUL 8 *	---	1914
1915	---	---	0 ON JUL 22	---	1915
				---	MEAN

* - EXTREME RECORDED FOR THE PERIOD OF RECORD
R - REVISED SINCE JAN 01 1987

SPRING NO. 2 NEAR GULL LAKE - STATION NO. 05HA030

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1915	---	---	0.004	0.004	0.002	0.002	---	---	---	---	---	---	---	1915
MEAN	---	---	0.004	0.004	0.002	0.002	---	---	---	---	---	---	---	MEAN

LOCATION - LAT 50 01 54 N
LONG 108 30 32 W NATURAL FLOW

SPRUCE (LITTLE RED) RIVER NEAR PRINCE ALBERT - STATION NO. 05GG002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1915	---	---	---	---	---	---	---	0.674	2.84	1.84	---	---	---	1915
MEAN	---	---	---	---	---	---	---	0.674	2.84	1.84	---	---	---	MEAN

LOCATION - LAT 53 13 17 N · DRAINAGE AREA, 1 870 km^2
LONG 105 43 15 W NATURAL FLOW

SPRUCE RIVER BELOW ANGLIN LAKE RESERVOIR - STATION NO. 05GG007

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1962	---	---	0.018	0.114	0.143	0.145	0.138	0.137	0.120	0.183	0.025	---	---	1962
1963	---	---	0	0.133	0.136	0.134	0.188	0.097	0.147	0.130	---	---	---	1963
1964	---	---	0.032	0.188	0.182	0.116	0.083	0.112	0.111	0.184	---	---	---	1964
1965	---	---	0.008	0.084	0.148	0.188	0.787	2.75	0.881	0.388	---	---	---	1965
1966	---	---	0.171	2.17	1.88	0.237	1.12	1.13	0.285	0.149	---	---	---	1966
1967	---	---	0.027	0.132	0.380	0.788	0.484	0.208	0.182	0.171	---	---	---	1967
1968	---	---	0.018	0.531	0.524	0.788	0.188	0.187	0.212	0.908	0.700	0.415	---	1968
1969	0.518	0.434	0.381	2.79	0.788	0.238	0.187	0.127	0.201	0.848	1.03	0.788	0.895	1969
1970	0.588	0.483	0.486	2.85	2.80	0.884	4.71	0.850	0.412	0.409	0.551	0.820	1.28	1970
1971	0.480	0.387	0.277	1.67	0.284	0.127	2.17	0.888	0.178	0.142	0.038	0.338	0.573	1971
1972	0.528	0.581	0.888	2.22	2.53	0.181	0.188	0.138	0.148	0.123	0.008	0.008	0.894	1972
1973	0.022	0.008	0.485	1.48	3.84	7.08	8.85	2.13	0.818	0.417	2.24	1.28	2.31	1973
1974	1.03	1.42	1.88	4.83	8.20	3.48	8.27	3.08	1.78	1.82	1.11	0.700	3.08	1974
1975	0.824	0.584	0.432	1.48	2.80	2.53	3.08	0.887	0.882	0.480	0.248	0.384	1.17	1975
1976	0.318	0.317	0.344	0.883	0.233	0.240	0.111	0.118	0.152	0.089	0.003	0.003	0.218	1976
1977	0.004	0.002	0.003	0.193	0.288	0.881	0.213	0.187	0.178	0.178	0.018	0.008	0.181	1977
1978	0.004	0.018	0.853	1.75	2.18	1.85	0.535	0.201	0.204	1.08	0.853	0.013	0.783	1978
1979	0.021	0.020	0.837	2.00	4.85	1.81	0.434	0.271	0.222	0.880	0.408	0.008	0.882	1979
1980	0.008	0.007	0.148	1.48	0.284	0.188	0.183	0.181	0.181	1.32	1.03	0.047	0.413	1980
1981	0.017	0.103	0.508	2.41	2.82	0.275	0.148	0.215	0.188	0.186	0.015	0.011	0.581	1981
1982	0.010	0.018	0.088	1.17	1.05	0.230	0.180	0.177	0.308	0.871	0.888	0.323	0.422	1982
1983	0.271	0.224	0.831	1.45	2.43	0.280	0.891	0.302	0.348	0.407	0.287	0.385	0.870	1983
1984	0.313	0.278	0.288	1.84	1.88	5.85	0.727	0.240	0.252	0.323	0.828	0.725	1.11	1984
1985	0.404	0.278	0.587	5.32	8.73	2.78	0.587	0.308	0.386	0.240	0.388	0.278	1.89	1985
1986	0.100	0.202	0.285	1.84	1.08	0.388	0.183	0.185	0.152	0.189	0.101	0.048	0.374	1986
1987	0.024	0.088	0.118	0.735	0.388	0.173	0.180	0.150	0.508	0.180	0.041	0.018	0.208	1987
1988	0.018	0.028	0.107	0.884	0.834	0.324	0.181	0.088	0.172	0.302	0.225	0.034	0.223	1988
MEAN	0.288	0.277	0.384	1.55	1.84	1.15	1.13	0.543	0.332	0.428	0.500	0.304	0.888	MEAN

LOCATION - LAT 53 38 50 N DRAINAGE AREA, 870 km^2
LONG 108 00 30 W REGULATED SINCE 1962

SPRUCE RIVER BELOW ANGLIN LAKE RESERVOIR - STATION NO. 05GG007

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1962	---	0.380 ON APR 30	0 E ON MAY 17 *	---	1962
1963	---	0.227 ON SEP 18	0 E ON MAR 1	---	1963
1964	0.575 AT 09:30 CST ON APR 17	0.487 ON APR 16	---	---	1964
1965	4.90 AT 17:00 CST ON AUG 2	4.58 ON AUG 3	---	---	1965
1966	3.34 AT 17:30 CST ON APR 27	3.31 ON APR 28	---	---	1966
1967	1.32 AT 18:00 CST ON MAY 25	1.18 ON MAY 28	---	---	1967
1968	1.87 AT 19:00 CST ON JUN 8	1.83 ON JUN 7	---	---	1968
1969	8.87 AT 09:30 CST ON APR 21	8.23 ON APR 22	0.002 ON OCT 16	21 000	1969
1970	11.7 AT 22:00 CST ON JUL 8	11.0 ON JUL 7	0.283 ON AUG 30	40 500	1970
1971	---	4.47 ON JUL 21	0.012 ON NOV 3	16 100	1971
1972	---	8.36 ON APR 30	0.003 ON DEC 21	18 800	1972
1973	16.8 AT 16:24 CST ON JUN 11	16.5 ON JUL 8 *	0.003 ON OCT 16	89 800	1973
1974	12.0 AT 07:59 CST ON MAY 1	11.9 ON APR 24	0.548 ON JUN 25	88 300	1974
1975	7.99 AT 12:15 CST ON JUL 3	7.62 ON JUL 4	0.181 ON NOV 4	36 800	1975
1976	2.05 AT 16:15 CST ON MAY 2	1.40 ON APR 17	0.002E ON DEC 2	8 820	1976
1977	2.35 AT 16:17 CST ON MAY 31	2.22 ON JUN 1	0.002E ON FEB 5	4 780	1977
1978	5.01 AT 15:00 CST ON MAY 4	4.93 ON MAY 3	0.003E ON JAN 1	24 100	1978
1979	8.72 AT 19:29 CST ON MAY 22	8.55 ON MAY 22	0.008E ON DEC 14	30 300	1979
1980	3.24 AT 11:22 CST ON APR 18	3.14 ON APR 19	0.005 ON DEC 18	13 100	1980
1981	5.33 AT 20:46 CST ON MAY 2	5.28 ON MAY 2	0.005 ON JAN 1	17 700	1981
1982	2.91 AT 03:56 CST ON APR 30	2.89 ON APR 30	0.008E ON JAN 3	13 300	1982
1983	4.27 AT 16:02 CST ON APR 29	4.16 ON APR 30	0.078 ON APR 10	21 100	1983
1984	11.4 AT 13:54 CST ON JUN 11	11.0 ON JUN 12	0.179 ON AUG 31	35 200	1984
1985	16.5 AT 13:18 CST ON APR 22 *	15.2 ON APR 22	0.042 ON FEB 14	53 500	1985
1986	3.08 AT 21:19 CST ON APR 25	2.98 ON APR 26	0.029 ON DEC 31	11 600	1986
1987	1.30 AT 06:29 CST ON APR 11	1.23 ON APR 22	0.018E ON NOV 7	5 550	1987
1988	1.07 AT 18:17 CST ON APR 19	1.04 ON APR 20	0.014E ON DEC 31	7 080	1988
				27 300	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SPRUCE RIVER DIVERSION TO EMMA LAKE - STATION NO. 05GG008

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1961	---	---	---	---	---	---	0.383	0.028	0	0	---	---	---	1961
1962	---	---	0.107	0.823	0.588	0.482	0	0	0	0	---	---	0.223	1962
1963	---	---	0	0.177	0	0	0	0	0.275	0.504	0.361	---	0.119	1963
1964	---	---	0	0.183	0.368	0	0	0	0.177	0.528	0.300	---	0.157	1964
1965	---	---	0	0.200	0.451	0.572	0.435	0.458	0.564	0.577	0.620	0.585	0.409	1965
1966	0.402	---	---	0.568	0.571	0.467	0.332	0.548	0.541	0.591	0.188	---	---	1966
1967	---	---	0	0	0	0.388	0.458	0.213	0	0	---	---	0.132	1967
1968	---	---	0	0	0.574	0.318	0.568	0.488	0	0	---	---	0.245	1968
1969	---	---	0	0	0.084	0.578	0.378	0.511	0.088	0	---	---	0.214	1969
1970	---	---	0	0	0	0.420	0	0	0	0	---	---	0.051	1970
1971	---	---	0	0	0.187	0.575	0.175	0	0	0	---	---	0.118	1971
1972	---	---	0	0	0	0.084	0.180	0.188	0	0	---	---	0.054	1972
1973	---	---	0	0.397	0.539	0	0	0	0	0	---	---	0.117	1973
1974	---	---	0	0	0	0	0	0	0	0	---	---	0	1974
1975	---	---	0	0	0	0	0	0	0	0	---	---	0	1975
1976	---	---	0	0	0	0	0.001	0.001	0.000	0	---	---	0.007	1976
1977	---	---	0	0.156	0.512	0.332	0.115	0	0	0	---	---	0.138	1977
1978	---	---	0	0	0.153	0	0.329	0.482	0	0	---	---	0.122	1978
1979	---	---	0	0	0	0	0	0.055	0.042	0	---	---	0.012	1979
1980	---	---	0	0.021	0.539	0.188	0.210	0	0	0	---	---	0.118	1980
1981	---	---	0	0.048	0.545	0.213	0.414	0.578	0.145	0	---	---	0.244	1981
1982	---	---	0	0	0.490	0.388	0	0	0	0	---	---	0.088	1982
1983	---	---	0	0	0	0	0	0	0	0	---	---	0	1983
1984	---	---	0	0	0	0	0.002	0	0	0	---	---	0	1984
1985	---	---	0	0	0	0	0	0	0	0	---	---	0	1985
1986	---	---	0	0	0	0	0	0.233	0.014	0	---	---	0.031	1986
1987	---	---	0	0.048	0.533	0.522	0.042	0	0	0.518	0.100	---	0.207	1987
1988	---	---	0	0	0.488	0.425	0	0	0.073	0.487	---	---	0.179	1988
MEAN	0.402	---	0.004	0.089	0.343	0.218	0.144	0.137	0.071	0.114	0.314	0.595	0.115	MEAN

LOCATION - LAT 53 40 20 N
LONG 106 00 00 W
REGULATED

SPRUCE RIVER DIVERSION TO EMMA LAKE - STATION NO. 05GG006

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1981	---	---	0 ON JUL 23 *	---	1981
1982	---	0.691 ON APR 12	0E ON MAR 1	4 730	1982
1983	---	0.643 ON APR 18	0 ON MAR 1	2 520	1983
1984	---	0.648 ON APR 24	0 ON MAR 1	3 330	1984
1985	---	0.674 ON AUG 22	0 ON MAR 1	8 870	1985
1986	---	0.738 ON AUG 28	0E ON APR 19	---	1986
1987	---	0.765 ON JUL 10 *	0 ON MAR 1	2 800	1987
1988	---	0.725 ON MAY 3	0 ON MAR 1	5 190	1988
1989	---	0.630 ON AUG 3	0 ON MAR 1	4 550	1989
1970	---	0.726 ON JUN 28	0 ON MAR 1	1 090	1970
1971	---	0.688 ON JUL 6	0 ON MAR 1	2 480	1971
1972	---	0.658 ON JUL 22	0 ON MAR 1	1 180	1972
1973	---	0.606 ON APR 19	0 ON MAR 1	2 470	1973
1974	---	0 ON MAR 1	0 ON MAR 1	0	1974
1975	---	0 ON MAR 1	0 ON MAR 1	0	1975
1976	---	0.496 ON SEP 11	0 ON MAR 1	158	1976
1977	---	0.782 ON JUN 30	0 ON MAR 1	2 940	1977
1978	---	0.600 ON AUG 8	0 ON MAR 1	2 580	1978
1979	---	0.510 ON AUG 29	0 ON MAR 1	257	1979
1980	0.728 AT 15:00 CST ON MAY 22	0.568 ON MAY 5	0 ON MAR 1	2 480	1980
1981	---	0.681 ON SEP 3	0E ON MAR 1	5 170	1981
1982	0.648 AT 07:43 CST ON MAY 12	0.647 ON MAY 11	0 ON MAR 1	2 080	1982
1983	---	0 ON MAR 1	0 ON MAR 1	0	1983
1984	0.748 AT 13:01 CST ON JUL 22 *	0.048 ON JUL 22	0 ON MAR 1	5.36	1984
1985	---	0 ON MAR 1	0 ON MAR 1	0	1985
1986	0.529 AT 15:37 CST ON AUG 19	0.524 ON AUG 19	0 ON MAR 1	661	1986
1987	0.678 AT 23:07 CST ON APR 28	0.557 ON MAY 1	0 ON MAR 1	4 380	1987
1988	0.653 AT 09:30 CST ON JUN 22	0.630 ON JUN 21	0 ON MAR 1	3 790	1988
				2 440	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SPRUCE RIVER NEAR OUTLET FROM ANGLIN LAKE - STATION NO. 05GG003

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1947	---	---	---	---	---	0.597	0.299	0.042	0.042	---	---	---	---	1947
1948	---	---	---	---	2.45	0.226	0.026	0.026	0.026	---	---	---	---	1948
1949	---	---	---	---	0.180	0.321	0.313	0.132	0.085	0.026	---	---	---	1949
1952	---	---	---	1.88	0.630	0.087	0.033	0.027	0.090	---	---	---	---	1952
1953	---	---	0.057	2.21	2.39	0.295	0.139	0.053	0.056	0.084	---	---	0.553	1953
1954	---	---	0.091	1.02	3.42	1.83	0.901	4.73	4.02	1.80	---	---	2.19	1954
1955	---	---	0.538	8.17	12.0	3.13	2.01	0.844	0.838	0.313	---	---	3.20	1955
1956	---	---	0.503	1.12	6.88	2.91	1.18	0.173	0.217	0.268	---	---	1.85	1956
1957	---	---	0.028	1.34	1.58	0.143	0.130	0.043	0.105	0.138	---	---	0.437	1957
1958	---	---	0.031	2.32	0.785	0.205	0.148	0.006	0.110	0.440	---	---	0.498	1958
1959	---	---	0.209	1.74	0.388	0.354	0.118	0.027	0.095	0.732	---	---	0.495	1959
1980	---	---	0.120	3.85	3.00	3.24	1.24	1.13	1.51	0.148	---	---	1.74	1980
1981	---	---	0.558	2.44	1.38	0.194	0.290	0.148	0.111	0.173	---	---	0.857	1981
1982	---	---	0.020	0.185	0.162	0.274	0.222	0.103	0.102	0.888	---	---	0.213	1982
1983	---	---	0.003	0.182	0.081	0.212	0.281	0.055	0.418	0.323	---	---	0.195	1983
1984	---	---	0.085	0.331	0.318	---	---	---	---	---	---	---	---	1984
MEAN	---	---	0.188	1.87	2.37	0.918	0.487	0.503	0.508	0.387	---	---	1.08	MEAN

LOCATION - LAT 53 35 05 N
LONG 106 02 51 W
DRAINAGE AREA, 792 km^2
REGULATED

SPRUCE RIVER NEAR OUTLET FROM ANGLIN LAKE - STATION NO. 05GG003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1947	---	---	---	---	1947
1948	---	---	---	---	1948
1949	---	---	---	---	1949
1952	---	4.59 ON APR 15	0 ON JUL 18 *	---	1952
1953	---	13.0 E ON APR 28	0.008 ON AUG 22	13 800	1953
1954	---	17.8 ON AUG 25	0.023 ON JUL 4	45 800	1954
1955	---	35.4 ON MAY 4 *	0.011 ON OCT 28	87 900	1955
1956	---	18.0 ON MAY 10	0.020 ON SEP 1	35 000	1956
1957	---	7.188 ON APR 28	0 ON JUL 14	9 250	1957
1958	---	4.87 ON APR 10	0 ON AUG 14	10 800	1958
1959	---	3.79 ON APR 18	0.008 ON SEP 6	9 830	1959
1980	---	9.03 ON JUN 25	0 ON OCT 18	35 800	1980
1981	---	3.45 ON APR 26	0.0288 ON MAR 1	13 800	1981
1982	---	1.30 ON OCT 22	0.0088 ON MAR 10	4 520	1982
1983	---	1.34 ON SEP 19	0 B ON MAR 1	4 120	1983
1984	---	---	---	---	1984
				22 800	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SQUAW COULEE NEAR WILLOW CREEK - STATION NO. 11AB103

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1966	---	---	---	---	---	0.076	0	0.025	0	0	---	---	---	1966
1967	---	---	---	---	---	0.324	0.015	0.015	0	0	---	---	---	1967
1968	---	---	---	0	0.036	0.047	0.001	0.014	0	0	---	---	---	1968
1969	---	---	---	---	0.039	0.107	0.003	0.008	0	0	---	---	---	1969
1970	---	---	---	---	0.027	0.027	0	0	0	0	---	---	---	1970
1971	---	---	---	---	0.058	0.013	0	0.008	0	0	---	---	---	1971
1972	---	---	---	0.078	0.053	0.004	0.021	0.033	0	0	---	---	---	1972
1973	---	---	---	0	0	0.001	0	0	0	0	---	---	---	1973
1974	---	---	0.189	0.145	0.487	0.072	0.018	0.020	0	0	---	---	0.118	1974
1975	---	---	0	0.462	0.184	0.278	0	0.029	0	0	---	---	0.118	1975
1976	---	0.023	0.054	0.005	0.027	0.003	0	0	0	0	---	---	0.011	1976
1977	---	---	0	0	0	0	0	0	0	0	---	---	0	1977
1978	---	---	0	0.340	0	0.028	0	0.005	0.010	0	---	---	0.047	1978
1979	---	---	0.378	0.034	0.003	0.088	0.003	0.038	0	0	---	---	0.068	1979
1980	---	---	0	0	0.005	0.001	0	0	0	0	---	---	0.001	1980
1981	---	---	0	0	0	0	0	0	0	0	---	---	0	1981
1982	---	---	0	0.806	0.188	0.074	0	0.015	0	0	---	---	0.086	1982
1983	---	---	0	0	0	0.018	0	0	0	0	---	---	0.002	1983
1984	---	---	0	0	0	0	0	0	0	0	---	---	0	1984
1985	---	---	0	0	0	0	0	0	0	0	---	---	0	1985
1986	---	---	0.385	0	0.037	0.033	0	0	---	0.051	---	---	---	1986
1987	---	---	0	0.084	0.027	0.002	0.003	0	0	0	---	---	0.004	1987
1988	---	---	0	0	0	0	0	0	0	0	---	---	0	1988
MEAN	---	0.023	0.087	0.087	0.088	0.082	0.003	0.009	0	0.002	---	---	0.033	MEAN

LOCATION - LAT 49 02 11 N LONG 109 48 23 W DRAINAGE AREA, 102 km² REGULATED

SQUAW COULEE NEAR WILLOW CREEK - STATION NO. 11AB103

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1966	---	---	0 ON JUN 1 *	---	1966
1967	---	---	0 ON JUL 2	---	1967
1968	---	---	---	---	1968
1969	---	---	---	---	1969
1970	---	---	---	---	1970
1971	0.621 AT 18:08 CST ON MAY 10	0.184 ON MAY 28	0 ON APR 28	---	1971
1972	1.74 AT 05:15 CST ON APR 10	1.18 ON APR 10	0 ON APR 9	---	1972
1973	0.031 AT 04:50 CST ON JUN 3	0.022 ON JUN 3	0 ON APR 1	---	1973
1974	8.00 AT 03:40 CST ON MAY 14	3.85 ON MAY 14	0B ON MAR 1	2 480	1974
1975	8.03 AT 15:51 CST ON JUN 20	4.38 ON APR 21	0 ON MAR 1	2 480	1975
1976	---	0.2838 ON MAR 22	0B ON MAR 12	238	1976
1977	---	0 ON MAR 1	0 ON MAR 1	0	1977
1978	4.82 B AT 01:10 CST ON APR 5	3.54 B ON APR 5	0B ON MAR 1	988	1978
1979	4.34 B AT 16:30 CST ON MAR 20	3.47 B ON MAR 20	0B ON MAR 1	1 470	1979
1980	0.106 AT 17:03 CST ON MAY 28	0.088 ON MAY 28	0B ON MAR 1	27.8	1980
1981	---	0.0018 ON MAR 1	0B ON MAR 3	0.17	1981
1982	8.82 AT 02:30 CST ON MAY 30 *	4.65 ON MAY 30 *	0B ON MAR 1	2 040	1982
1983	0.197 AT 12:38 CST ON JUN 20	0.121 ON JUN 20	0 ON MAR 1	42.3	1983
1984	0 AT 00:00 CST ON MAR 1	0 ON MAR 1	0 ON MAR 1	0	1984
1985	---	0 ON MAR 1	0 ON MAR 1	0	1985
1986	---	---	0 ON APR 2	---	1986
1987	0.244 AT 11:10 CST ON MAY 27	0.234 ON MAY 27	0 ON MAR 1	84.2	1987
1988	---	0 ON MAR 1	0 ON MAR 1	0	1988
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		708	MEAN

STOKKE DITCH NEAR COVENLOCK - STATION NO. 11AB110

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1968	---	---	0.014	0.008	0.017	0	0	0	0	0	---	---	0.005 *	1968
1969	---	---	---	0.048	0	0	0	0	0	0	---	---	---	1969
1970	---	---	0	0.041	0	0	0	0	0	0	---	---	0.005	1970
1971	---	---	---	0.024	0	0	0	0.043	0	0	---	---	---	1971
MEAN	---	---	0.007	0.029	0.004	0	0	0.011	0	0	---	---	0.005	MEAN

LOCATION - LAT 49 08 48 N LONG 109 50 52 W REGULATED

STOKKE DITCH NEAR COVENLOCK - STATION NO. 11AB110

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1968	---	0.095 ON MAR 28	0E ON MAR 1 *	88.8	1968
1969	---	---	---	---	1969
1970	---	0.218 ON APR 13 *	0 ON MAR 1	105	1970
1971	---	---	---	---	1971
	E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		101	MEAN

STONY CREEK NEAR KAMSACK - STATION NO. 05MD010

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1971	---	---	0	2.05	0.094	0.424	0.068	0.016	0.007	0.021	---	---	0.328	1971
1972	---	---	0.014	3.13	0.490	0.084	0.012	0	0	0.006	---	---	0.464	1972
1973	---	---	0.106	0.101	0.056	0.148	0.029	0.001	0.017	0.011	---	---	0.058	1973
1974	---	---	0	2.40	0.858	0.039	0	0	0.001	0.003	---	---	0.406	1974
1975	---	---	0	1.98	0.528	0.184	0.010	0	0.001	0.002	---	---	0.344	1975
1976	---	---	0	3.18	0.131	0.088	0.006	0	0	0	---	---	0.417	1976
1977	---	---	0.008	0.105	0.018	0.001	0	0	0	0	---	---	0.018	1977
1978	---	---	0.020	0.430	0.041	0.008	0.001	0.001	0.001	0.018	---	---	0.064	1978
1979	---	---	0	2.72	0.346	0.018	0.001	0	0	0	---	---	0.458	1979
1980	---	---	0	0.784	0.001	0	0	0	0	0	---	---	0.098	1980
1981	---	---	0.054	0.024	0.028	0.042	0.024	0.005	B	0.004	---	---	0.024	1981
1982	---	---	0.013	0.711	0.006	0.008	0.348	0.008	0.003	0.024	---	---	0.138	1982
1983	---	---	0.010	2.34	0.770	0.210	0.312	0.034	0.003	0.004	---	---	0.485	1983
1984	---	---	0.545	0.478	0.138	0.082	0.008	0.008	0.003	0.008	---	---	0.158	1984
1985	---	---	0.012	3.87	0.306	0.117	0.048	0.002	0.018	0.034	---	---	0.542	1985
1986	---	---	0.404	2.01	0.303	0.005	0.084	0.013	0.001	0.088	---	---	0.357	1986
1987	---	---	0.123	1.40	0.018	0.101	0.045	0.003	0.002	0.012	---	---	0.208	1987
1988	---	0.008	0.111	1.98	0.880	0.017	0.001	0.003	0.002	0.002	---	---	0.343	1988
MEAN	---	0.008	0.079	1.85	0.305	0.087	0.054	0.005	0.003	0.013	---	---	0.271	MEAN

LOCATION - LAT 51 23 18 N
LONG 101 50 18 W

DRAINAGE AREA, 481 km²
NATURAL FLOW

STONY CREEK NEAR KAMSACK - STATION NO. 05MD010

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1971	---	8.24 B ON APR 11	0 B ON MAR 1 *	6 840	1971
1972	---	9.81 B ON APR 15	0 ON AUG 1	9 630	1972
1973	---	1.08 B ON MAR 24	0 B ON MAR 1	1 240	1973
1974	---	12.4 ON APR 22	0 B ON MAR 1	8 880	1974
1975	9.28A AT 10:00 CST ON APR 23	9.20 A ON APR 23	0 B ON MAR 1	7 280	1975
1976	11.8 AT 08:47 CST ON APR 11	11.2 A ON APR 13	0 B ON MAR 1	6 820	1976
1977	---	0.353B ON APR 10	0 B ON MAR 1	368	1977
1978	1.44 AT 10:33 CST ON MAY 6	1.00 B ON APR 8	0 B ON MAR 1	1 350	1978
1979	11.1 AT 20:47 CST ON APR 24	10.9 ON APR 24	0 B ON MAR 1	9 550	1979
1980	4.05 AT 02:00 CST ON APR 10	3.28 ON APR 10	0 B ON MAR 1	2 030	1980
1981	---	0.200B ON MAR 17	0 E ON SEP 8	507	1981
1982	4.50 AT 17:02 CST ON JUL 17	3.52 ON JUL 17	0.001B ON MAR 1	2 930	1982
1983	12.5 AT 10:35 CST ON APR 25 *	12.5 ON APR 25 *	0 ON SEP 3	8 640	1983
1984	4.58B AT 11:23 CST ON MAR 31	2.80 B ON MAR 31	0 B ON MAR 1	3 370	1984
1985	10.3 AT 14:13 CST ON APR 15	10.2 ON APR 15	0.001 ON AUG 3	11 400	1985
1986	9.51B AT 09:53 CST ON APR 2	8.10 B ON APR 2	0.001 ON JUL 23	7 550	1986
1987	7.11 AT 22:01 CST ON APR 5	6.15 ON APR 7	0.002 ON MAY 23	4 420	1987
1988	8.98B AT 17:00 CST ON APR 4	8.24 B ON APR 5	0 B ON MAR 20	7 270	1988
				5 720	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

STONY CREEK NEAR STENEN - STATION NO. 05MC002

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1957	---	---	0	2.06	0.823	0.114	0.028	0	0	0	---	---	0.388	1957
1958	---	---	0	0.081	0.004	0.002	0	0	0	0	---	---	0.012	1958
1959	---	---	0.001	0.077	0.001	0	0	0	0	0	---	---	0.010	1959
1960	---	---	0	3.85	0.841	0.070	0	0	0	0	---	---	0.882	1960
1961	---	---	0	0	0	0	0	0	0	0	---	---	0	1961
1962	---	---	0	0.882	0.231	0	0	0	0	0	---	---	0.087	1962
1963	---	---	0.001	0.314	0.028	0	0	0	0	0	---	---	0.042	1963
1964	---	---	0	0.028	0.048	0.003	0	0	0	0	---	---	0.010	1964
1965	---	---	0	0.882	0.287	0.272	0.061	0.012	0.002	0.008	---	---	0.188	1965
1966	---	---	0	2.77	0.888	0.047	0.023	0.004	0	0	---	---	0.467	1966
1967	---	---	0	0.170	1.87	0.008	0	0	0	0	---	---	0.271	1967
1968	---	---	0.008	0.348	0.010	0	0.002	0	0	0	---	---	0.048	1968
1969	---	---	0	1.37	0.088	0.004	0	0	0	0	---	---	0.180	1969
1970	---	---	0	0.888	1.08	0.082	0.008	0	0	0.001	---	---	0.214	1970
1971	---	---	0	4.78	0.709	0.018	0	0	0	0	---	---	0.878	1971
1972	---	---	0	4.84	2.80	0.017	0	0	0	0	---	---	0.888	1972
1973	---	---	0	0.140	0.035	0.043	0.038	0.004	0	0	---	---	0.032	1973
1974	---	---	0	3.02	2.58	0.288	0.010	0	0	0	---	---	0.728	1974
1975	---	---	0	2.17	2.02	0.243	0.032	0.037	0	0	---	---	0.588	1975
1976	---	---	0	3.15	0.373	0.062	0.080	0	0	0	---	---	0.461	1976
1977	---	---	0	0.443	0.063	0	0	0	0	0	---	---	0.062	1977
1978	---	---	0	0.787	0.533	0.042	0.004	0.002	0.001	0	---	---	0.167	1978
1979	---	---	0	3.12	3.58	0.388	0.005	0	0	0	---	---	0.878	1979
1980	---	---	0	1.34	0.083	0	0	0	0	0	---	---	0.178	1980
1981	---	---	0.052	0.218	0.017	0.005	0.011	0.018	0	0.027	---	---	0.044	1981
1982	---	---	0	0.141	0.002	0	0	0	0	0	---	---	0.018	1982
1983	---	---	0	1.57	2.24	0.182	0.018	0.005	0	0	---	---	0.467	1983
1984	---	---	0.140	1.32	0.326	0.558	0.068	0	0	0	---	---	0.268	1984
1985	---	---	0	4.20	0.678	0.001	0	0	0	0	---	---	0.890	1985
1986	---	---	0.011	3.38	0.187	0	0	0	0	0	---	---	0.436	1986
1987	---	---	0	2.02	0.087	0	0.001	0.006	0	0.001	---	---	0.251	1987
1988	---	---	0	3.32	0.553	0.031	0	0	0	0	---	---	0.480	1988
MEAN	---	---	0.007	1.84	0.718	0.073	0.011	0.002	0	0.001	---	---	0.204	MEAN

LOCATION - LAT 51 52 56 N
LONG 102 19 48 W

DRAINAGE AREA, 284 km²
NATURAL FLOW

STONY CREEK NEAR STENEN - STATION NO. 05MC002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1957	---	0.83 ON APR 26	0.0 ON MAR 1 *	8 180	1957
1958	0.255 AT 10:30 CST ON APR 7	0.255 ON APR 8	0.0 ON MAR 1	250	1958
1959	0.181 AT 23:00 CST ON APR 7	0.176 ON APR 7	0.0 ON MAR 1	204	1959
1960	12.7 AT 21:00 CST ON APR 20	12.8 ON APR 20	0.0 ON MAR 1	11 900	1960
1961	---	0 ON MAR 1	0 ON MAR 1	0	1961
1962	---	2.18 ON APR 28	0 ON MAR 1	2 050	1962
1963	0.891 AT 03:00 CST ON APR 11	0.874 ON APR 11	0.0 ON MAR 1	685	1963
1964	0.119 AT 16:00 CST ON MAY 8	0.086 ON MAY 8	0 ON MAR 1	203	1964
1965	---	1.76 ON APR 16	0.0 ON MAR 1	3 880	1965
1966	8.35 AT 05:00 ON APR 17	8.27 ON APR 17	0 ON MAR 1	9 590	1966
1967	---	4.45 ON MAY 1	0.0 ON MAR 1	5 730	1967
1968	0.895 AT 10:30 CST ON APR 10	0.800 ON APR 14	0 ON MAR 1	881	1968
1969	3.65 A AT 16:00 CST ON APR 15	3.62 A ON APR 15	0.0 ON MAR 1	3 810	1969
1970	2.09 AT 03:00 CST ON APR 30	2.07 ON APR 30	0 ON MAR 1	4 530	1970
1971	23.9 AT 04:37 CST ON APR 16 *	22.2 ON APR 16	0.0 ON MAR 1	14 300	1971
1972	23.3 AT 04:58 CST ON APR 25	22.7 ON APR 25 *	0.0 ON MAR 1	18 800	1972
1973	0.288 AT 02:54 CST ON MAY 2	0.261 ON MAY 2	0.0 ON MAR 1	888	1973
1974	14.6 AT 11:16 CST ON APR 22	13.2 ON APR 23	0.0 ON MAR 1	15 400	1974
1975	10.2 AT 17:57 CST ON APR 24	9.85 ON APR 24	0.0 ON MAR 1	11 800	1975
1976	11.4 AT 09:24 CST ON APR 15	11.0 ON APR 15	0.0 ON MAR 1	9 580	1976
1977	1.21 AT 12:31 CST ON APR 16	1.21 ON APR 16	0.0 ON MAR 1	1 220	1977
1978	2.28 AT 20:10 CST ON APR 22	2.26 ON APR 22	0.0 ON MAR 1	3 540	1978
1979	17.9 AT 13:40 CST ON APR 27	17.7 ON APR 27	0.0 ON MAR 1	18 800	1979
1980	3.86 AT 11:57 CST ON APR 19	3.77 ON APR 19	0.0 ON MAR 1	3 720	1980
1981	0.4028 AT 06:36 CST ON APR 7	0.3928 ON APR 4	0.0 ON MAR 1	841	1981
1982	0.8988 AT 09:36 CST ON APR 16	0.462 ON APR 19	0.0 ON MAR 1	272	1982
1983	9.61 AT 02:49 CST ON APR 27	9.33 ON APR 27	0.0 ON MAR 1	10 500	1983
1984	2.16 AT 20:13 CST ON APR 4	2.14 ON APR 4	0.0 ON MAR 1	8 120	1984
1985	10.3 AT 13:37 CST ON APR 23	10.1 ON APR 23	0.0 ON MAR 1	12 700	1985
1986	8.70 AT 19:01 CST ON APR 11	8.65 ON APR 11	0.0 ON MAR 1	9 230	1986
1987	5.05 AT 09:11 CST ON APR 10	5.00 ON APR 10	0.0 ON MAR 1	5 520	1987
1988	8.39 B AT 10:50 CST ON APR 9	7.85 B ON APR 9	0.0 ON MAR 1	10 200	1988
				8 430	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

STRONG EAST DITCH NEAR EASTEND - STATION NO. 11AC044

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1930	---	---	0.026	0.030	0.025	0.005	0	0	0	0	---	---	0.018	1930
1922	---	---	0	0.077	0.036	0.048	0.025	0.001	0	0	---	---	0.024	1922
MEAN	---	---	0.013	0.054	0.032	0.027	0.013	0.001	0	0	---	---	0.021	MEAN

LOCATION - LAT 49 39 30 N, LONG 104 47 00 W REGULATED

STRONG EAST DITCH NEAR EASTEND - STATION NO. 11AC044

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1930	---	0.314 ON APR 14	0.0 ON MAR 1 *	361	1930
1922	---	0.801 ON JUL 8 *	0.0 ON MAR 1	801	1922
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		441	MEAN

STRONG WEST DITCH NEAR EASTEND - STATION NO. 11AC045

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1922	---	---	0	0.031	0	0	0.032	0.007	0	0	---	---	0.009	1922
MEAN	---	---	0	0.031	0	0	0.032	0.007	0	0	---	---	0.009	MEAN

LOCATION - LAT 49 39 30 N, LONG 104 47 00 W REGULATED

STRONG WEST DITCH NEAR EASTEND - STATION NO. 11AC045

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1922	---	0.462 ON JUL 8 *	0.0 ON MAR 1 *	166	1922
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		166	MEAN

STURGEON RIVER NEAR PRINCE ALBERT - STATION NO. 05GF002

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1965	---	---	---	---	---	---	3.14	2.01	0.861	0.302	---	---	---	1965
1967	---	---	---	---	---	---	---	---	---	---	---	---	0.774	1967
1966	---	---	0.227	0.765	2.62	1.20	0.511	0.374	0.147	0.182	---	---	1.78	1966
1969	---	---	1.84	5.20	2.07	1.83	0.873	0.603	0.866	1.44	---	---	2.28	1969
	---	---	0.461	10.8	4.28	1.06	0.498	0.388	0.147	0.979	---	---		
1970	---	---	0.203	9.14	5.70	1.78	4.48	1.42	0.838	0.332	---	---	3.06	1970
1971	---	---	0.386	4.62	3.14	1.61	4.37	2.86	0.869	0.363	---	---	2.21	1971
1972	---	---	0.340	7.17	8.11	1.18	0.616	0.287	0.181	0.178	---	---	2.36	1972
1973	---	---	0.436	5.17	5.75	9.39	15.8	3.66	2.13	3.84	---	---	5.28	1973
1974	---	---	1.23	21.6	36.6	13.9	11.7	3.84	2.66	3.03	---	---	11.6	1974
1975	---	---	0.605	7.25	14.3	9.65	6.36	1.98	0.886	0.717	---	---	5.48	1975
1976	---	---	0.585	6.59	2.29	1.48	0.765	0.607	0.674	0.040	---	---	1.39	1976
1977	---	---	0.152	1.67	2.19	2.64	1.63	1.67	1.38	0.772	---	---	1.61	1977
1978	---	---	0.221	8.36	7.67	3.14	0.952	0.297	0.307	0.476	---	---	2.42	1978
1979	---	---	0.048	8.54	16.4	8.46	2.80	0.497	0.283	0.371	---	---	4.76	1979
1980	---	---	0.580	7.22	2.66	0.799	1.21	0.722	1.20	1.65	---	---	2.04	1980
1981	---	---	1.15	8.01	7.70	1.83	0.986	0.675	0.314	0.362	---	---	2.63	1981
1982	---	---	0.230	2.43	4.06	1.26	0.359	0.748	0.775	1.11	---	---	1.38	1982
1983	---	---	0.711	9.73	8.84	2.11	1.38	0.488	0.284	0.184	---	---	3.08	1983
1984	---	---	0.579	7.66	4.77	11.9	4.13	0.722	0.448	0.638	---	---	3.83	1984
1985	---	---	0.801	26.6	26.1	9.66	3.29	0.781	0.320	0.817	---	---	8.76	1985
1986	---	---	0.726	9.26	5.58	2.14	0.588	0.487	0.189	0.207	---	---	2.37	1986
1987	---	---	0.416	4.82	1.60	0.238	0.186	0.189	0.154	0.188	---	---	0.876	1987
1988	---	---	0.313	4.63	1.81	0.226	0.084	0.141	0.077	0.121	---	---	0.823	1988
MEAN	---	---	0.650	7.86	8.31	3.89	2.85	1.08	0.681	0.787	---	---	3.38	MEAN

LOCATION - LAT 53 12 47 N DRAINAGE AREA, 5 100 km²
LONG 105 53 06 W NATURAL FLOW

STURGEON RIVER NEAR PRINCE ALBERT - STATION NO. 05GF002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1965	---	---	---	---	1965
1967	4.368 AT 23:00 CST ON APR 30	3.74 ON MAY 11	0.091 ON OCT 13	19 400	1967
1966	---	0.748 ON APR 3	0.1448 ON MAR 1	36 000	1966
1969	---	30.3 ON APR 19	0.133 ON AUG 25	46 800	1969
1970	20.4 AT 02:00 CST ON APR 19	19.4 ON APR 19	0.237 ON OCT 25	65 100	1970
1971	11.6 AT 19:00 CST ON APR 17	9.74 ON APR 20	0.269 ON OCT 26	46 800	1971
1972	30.0 AT 23:51 CST ON APR 25	29.2 ON APR 28	0.127A ON OCT 6	80 000	1972
1973	26.9 AT 05:06 CST ON JUL 14	25.7 ON JUL 14	0.2898 ON MAR 1	133 000	1973
1974	74.6 AT 22:22 CST ON APR 22 *	69.1 ON APR 23 *	1.23 B ON MAR 1	250 000	1974
1975	---	19.2 ON MAY 4	0.5278 ON MAR 1	118 000	1975
1976	9.63 AT 18:59 CST ON APR 12	9.15 ON APR 12	0.006 ON SEP 29	28 300	1976
1977	---	4.258 ON JUN 6	0.1508 ON MAR 1	31 800	1977
1978	13.1 AT 00:01 CST ON APR 22	12.5 ON APR 22	0.164 ON SEP 11	81 200	1978
1979	42.2 AT 01:03 CST ON APR 26	41.0 ON APR 26	0.0328 ON APR 4	100 000	1979
1980	18.9 AT 21:26 CST ON APR 20	18.7 ON APR 20	0.483 ON AUG 17	63 200	1980
1981	10.5 AT 14:24 CST ON MAY 1	10.4 ON MAY 1	0.248 ON SEP 24	66 600	1981
1982	8.48 AT 02:43 CST ON MAY 2	8.37 ON MAY 2	0.100 ON JUL 13	28 100	1982
1983	30.8 AT 12:10 CST ON APR 26	30.6 ON APR 26	0.134 ON OCT 26	68 400	1983
1984	13.3 AT 13:13 CST ON JUN 23	13.2 ON JUN 23	0.338 ON OCT 15	40 900	1984
1985	85.3 AT 19:38 CST ON APR 23	84.4 ON APR 23	0.226 ON SEP 25	185 000	1985
1986	14.8 AT 11:53 CST ON APR 10	13.9 ON APR 10	0 ON JUL 23 *	50 200	1986
1987	15.4 B AT 21:37 CST ON APR 12	8.678 ON APR 13	0.088 ON JUL 3	20 700	1987
1988	10.4 B AT 09:04 CST ON APR 15	9.598 ON APR 15	0.038 ON SEP 14	15 700	1988
				69 400	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

STURGEON-WEIR RIVER AT LEAF RAPIDS - STATION NO. 05KG007

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1972	---	---	---	---	---	---	---	---	---	---	49.6	49.1	---	1972
1973	46.0	41.2	37.3	35.3	53.0	80.6	100	93.1	72.8	58.9	47.0	43.8	59.1	1973
1974	40.9	38.6	36.4	36.3	66.9	87.2	147	217	164	136	108	87.1	99.4	1974
1975	73.4	62.3	50.1	42.2	50.9	69.4	71.8	70.5	57.2	46.3	38.2	32.8	56.4	1975
1976	30.8	29.0	28.8	28.0	24.1	26.9	46.1	38.0	35.4	31.4	28.7	28.6	30.8	1976
1977	24.8	24.1	23.1	22.6	30.9	38.1	34.7	22.1	30.1	26.7	26.8	27.8	26.8	1977
1978	27.4	29.3	26.2	26.5	27.7	26.6	28.1	29.2	30.8	34.8	37.1	37.3	30.0	1978
1979	35.8	33.8	32.4	31.8	36.4	44.5	46.2	39.8	38.3	42.6	53.3	57.7	41.2	1979
1980	53.9	48.3	43.5	38.5	34.4	26.8	24.8	22.1	22.7	25.2	25.7	27.8	33.8	1980
1981	30.1	28.7	28.2	27.0	27.6	26.6	24.8	20.8	17.0	14.5	13.7	14.0	22.8	1981
1982	14.2	13.8	13.8	14.5	22.1	27.0	28.8	33.9	36.0	33.6	32.5	32.1	25.4	1982
1983	32.8	31.5	29.7	29.1	36.5	61.5	86.8	102	100	101	86.9	78.7	65.8	1983
1984	65.0	58.0	47.7	50.0	53.8	76.1	68.6	72.8	62.6	54.7	53.4	51.1	61.1	1984
1985	47.8	44.1	39.9	40.2	77.8	116	141	118	80.2	66.0	52.2	44.5	73.3	1985
1986	38.7	34.1	30.4	29.5	36.6	46.2	68.4	70.3	57.6	48.7	43.3	40.5	44.8	1986
1987	37.7	36.0	33.8	34.5	39.2	44.8	43.8	39.0	36.2	31.1	28.8	26.5	35.8	1987
1988	23.4	23.0	21.8	22.8	27.6	28.7	28.4	23.7	22.1	19.8	18.2	17.8	22.8	1988
MEAN	38.6	36.8	32.6	31.8	40.7	51.8	62.4	64.0	55.8	48.3	43.8	40.7	46.6	MEAN

LOCATION - LAT 54 49 40 N DRAINAGE AREA, 12 800 km²
LONG 102 38 08 W NATURAL FLOW

STURGEON-WEIR RIVER AT LEAF RAPIDS - STATION NO. 05KG007

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1972	---	---	---	---	1972
1973	103 AT 17:09 CST ON JUL 24	103 ON JUL 27	33.4 ON APR 17	1 880 000	1973
1974	227 AT 03:07 CST ON AUG 15 *	224 ON AUG 15 *	34.3 ON APR 12	3 130 000	1974
1975	78.3 AT 00:00 CST ON JAN 1	78.7 ON JAN 1	31.4 ON DEC 25	1 750 000	1975
1976	47.9 AT 18:31 CST ON JUL 17	47.8 ON JUL 18	23.3 ON MAY 25	988 000	1976
1977	58.5 AT 21:58 CST ON MAY 28	56.0 ON MAY 28	22.4E ON APR 10	812 000	1977
1978	37.8 AT 00:20 CST ON NOV 5	37.8 ON NOV 5	24.6 ON MAR 30	948 000	1978
1979	58.8 AT 08:58 CST ON DEC 27	58.3 ON DEC 7	30.7 ON APR 6	1 300 000	1979
1980	54.6 AT 05:17 CST ON JAN 1	54.6 ON JAN 1	20.5 ON SEP 11	1 040 000	1980
1981	30.3 AT 08:01 CST ON JAN 13	30.3 ON JAN 13	13.4 ON NOV 30	718 000	1981
1982	38.0 AT 02:11 CST ON AUG 18	37.8 ON AUG 18	13.3 ON APR 11 *	800 000	1982
1983	113 AT 17:04 CST ON SEP 21	112 ON SEP 21	27.8 ON APR 18	2 080 000	1983
1984	98.9 AT 18:38 CST ON JUN 22	98.4 ON JUN 22	45.3 ON APR 6	1 830 000	1984
1985	147 AT 23:31 CST ON JUL 6	146 ON JUL 7	36.8 ON APR 13	2 310 000	1985
1986	73.0 AT 08:25 CST ON AUG 4	73.0 ON AUG 3	26.8 ON APR 21	1 400 000	1986
1987	48.0 AT 14:37 CST ON JUN 23	47.8 ON JUN 24	24.0 ON DEC 30	1 120 000	1987
1988	28.3 AT 06:43 CST ON MAY 8	28.2 ON MAY 9	17.5 ON DEC 11	715 000	1988
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		1 440 000	MEAN

E - ESTIMATED

STURGEON-WEIR RIVER AT OUTLET OF AMISK LAKE - STATION NO. 05KG002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1959	---	---	---	---	---	48.1	63.0	48.3	44.0	43.0	40.3	39.9	---	1959
1960	38.2	38.7	38.0	38.1	40.0	59.7	73.2	72.8	59.8	---	---	---	---	1960
1961	38.3	34.4	33.3	32.3	38.2	38.7	36.0	33.3	28.1	27.1	27.3	27.2	32.8	1961
1962	26.8	26.1	25.7	25.8	37.6	61.6	61.3	44.8	38.6	34.8	31.2	31.0	38.8	1962
1963	30.8	29.7	28.5	28.6	38.2	48.9	66.8	77.2	64.4	76.8	68.6	49.8	50.7	1963
1964	43.9	38.8	34.8	33.1	38.1	37.8	33.9	33.8	40.2	80.0	63.1	62.7	40.8	1964
1965	50.0	46.8	44.7	43.4	60.1	80.3	103	108	82.9	83.7	75.3	70.0	72.4	1965
1966	54.2	57.3	52.0	46.8	45.0	54.6	77.4	78.6	65.6	62.8	43.8	42.2	57.1	1966
1967	40.3	38.3	36.7	33.8	34.2	42.1	44.8	43.7	38.3	31.2	28.8	29.2	38.8	1967
1968	30.9	30.6	28.1	27.8	28.2	36.4	34.9	30.4	30.3	28.5	28.2	30.8	30.4	1968
1969	32.4	34.8	36.0	36.4	41.2	41.8	36.7	35.4	31.2	36.6	37.7	37.8	36.6	1969
1970	37.8	38.8	38.8	38.3	38.0	45.4	67.2	78.8	74.2	67.3	70.0	68.3	64.8	1970
1971	67.1	64.0	59.1	56.8	60.4	62.0	68.9	68.8	62.7	63.6	58.7	57.6	63.8	1971
1972	57.8	54.6	51.5	48.2	51.8	60.0	67.3	78.6	66.8	59.7	58.0	58.2	62.6	1972
1973	57.0	54.8	53.8	52.4	62.6	91.2	108	98.8	84.8	88.3	89.2	88.3	70.7	1973
1974	86.7	86.1	82.6	82.2	88.7	88.4	108	178	203	173	141	118	108	1974
1975	88.1	79.8	88.1	80.1	85.0	84.7	84.2	81.6	72.3	69.0	63.0	60.0	71.0	1975
1976	47.2	42.7	38.1	37.8	35.2	38.2	60.2	63.7	48.4	40.3	33.2	33.3	41.8	1976
1977	32.8	32.7	32.0	30.6	36.6	60.7	63.3	48.1	43.4	40.8	40.1	38.1	40.0	1977
1978	40.0	38.4	38.6	38.6	41.8	41.8	38.1	38.2	35.8	35.6	39.7	42.6	38.8	1978
1979	47.2	47.7	47.0	46.2	48.4	60.3	68.7	60.7	46.8	46.6	60.0	58.3	50.4	1979
1980	67.8	66.2	66.8	63.8	49.0	44.4	36.2	29.4	28.0	30.3	28.6	28.6	41.7	1980
1981	34.2	35.1	36.8	36.6	36.0	38.4	32.7	26.4	24.4	20.1	20.2	20.4	29.8	1981
1982	21.1	21.7	21.2	21.0	25.6	32.8	38.2	38.1	34.8	36.4	36.6	37.8	30.1	1982
1983	40.0	40.4	40.3	38.7	46.4	59.7	82.3	86.4	105	110	105	81.6	71.8	1983
1984	82.4	73.6	64.8	64.0	66.2	76.6	88.8	90.8	73.7	67.4	65.7	64.7	74.0	1984
1985	80.2	88.2	83.8	81.7	74.4	108	153	136	111	84.1	86.2	80.2	86.1	1985
1986	66.1	48.8	44.4	43.6	48.4	54.3	67.4	88.6	63.6	58.4	56.0	54.3	54.7	1986
1987	48.6	46.8	43.4	41.8	43.8	48.3	60.2	46.8	37.1	33.3	29.6	28.1	41.0	1987
1988	---	---	---	---	---	---	---	---	---	---	---	---	---	1988
1989	---	---	---	---	---	---	---	---	---	---	---	---	---	1989
1990	---	---	---	---	---	---	---	---	---	---	---	---	---	1990
1991	28.3	34.6	33.6	24.7	28.1	28.1	27.6	25.6	23.7	21.7	20.6	20.0	24.6	1991
MEAN	48.7	44.4	41.8	40.8	48.1	55.6	63.0	64.0	58.3	54.1	50.2	48.1	51.6	MEAN

LOCATION - LAT 54 28 20 N
LONG 102 10 30 W

DRAINAGE AREA, 14 600 km^2
NATURAL FLOW

STURGEON-WEIR RIVER AT OUTLET OF AMISK LAKE - STATION NO. 05KC002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1959	---	---	---	---	1959
1960	---	78.7 ON JUL 24	---	---	1960
1961	---	38.6 ON JUN 10	26.6 ON OCT 3	1 030 000	1961
1962	---	86.1 ON JUL 3	25.7 ON MAR 6	1 120 000	1962
1963	---	86.8 ON SEP 14	28.0 ON MAR 24	1 800 000	1963
1964	---	95.2 ON OCT 28	32.3 ON APR 2	1 280 000	1964
1965	---	114 ON JUL 31	42.8 ON MAR 31	2 280 000	1965
1966	---	86.4 ON JUL 21	41.3 ON DEC 30	1 800 000	1966
1967	---	47.6 ON JUL 23	28.1 ON NOV 30	1 150 000	1967
1968	---	37.1 ON JUL 14	27.2 ON APR 3	961 000	1968
1969	---	43.8 ON JUN 8	30.0 ON SEP 24	1 150 000	1969
1970	---	80.4 ON AUG 18	34.3 ON APR 1	1 720 000	1970
1971	---	86.8 ON JAN 3	47.0 ON SEP 25	1 850 000	1971
1972	---	90.6 ON JUN 30	45.8 ON MAY 3	2 010 000	1972
1973	---	107 ON JUL 17	50.4 ON APR 17	2 230 000	1973
1974	212 AT 12:11 CST ON SEP 12 *	210 ON SEP 12 *	50.7 ON MAR 28	3 400 000	1974
1975	108 AT 04:12 CST ON JAN 2	105 ON JAN 2	48.8 ON DEC 11	2 240 000	1975
1976	83.1 AT 16:47 CST ON JUL 22	67.2 ON JUL 29	30.3 ON NOV 11	1 310 000	1976
1977	84.6 AT 23:00 CST ON JUL 23	66.6 ON JUL 6	28.7 ON APR 17	1 260 000	1977
1978	48.2 AT 01:12 CST ON AUG 16	44.5 ON DEC 31	32.0 ON SEP 28	1 220 000	1978
1979	88.7 AT 13:50 CST ON JUL 24	86.8 ON JUL 24	43.5 ON SEP 28	1 890 000	1979
1980	80.6 AT 02:27 CST ON FEB 8	58.3 ON FEB 6	26.2 ON SEP 11	1 320 000	1980
1981	40.9 AT 16:11 CST ON JUN 6	36.5 ON MAY 22	19.1 ON OCT 6 *	840 000	1981
1982	43.7 AT 15:19 CST ON AUG 7	40.3 ON JUN 29	20.6 ON JAN 1	881 000	1982
1983	118 AT 00:58 CST ON SEP 18	114 ON OCT 18	38.3 ON JAN 1	2 280 000	1983
1984	---	103 ON JUL 14	61.4E ON DEC 31	2 340 000	1984
1985	---	184 ON JUL 13	49.7 ON APR 18	2 880 000	1985
1986	---	73.8 ON AUG 18	42.0 ON MAR 27	1 730 000	1986
1987	---	61.5 ON JUL 10	27.5 ON DEC 31	1 290 000	1987
1988	---	---	---	---	1988
1989	---	---	---	---	1989
1990	---	---	---	---	1990
1991	---	---	---	---	1991
1992	---	31.6 ON MAY 30	19.8B ON DEC 10	778 000	1992
1993	173 AT 17:35 CST ON JUL 28	---	---	---	1993
1994	85.3 AT 15:59 CST ON AUG 15	---	---	---	1994
1995	87.6 AT 16:26 CST ON JUL 8	---	---	---	1995
				1 630 000	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SUCKER CREEK AT GILCHRIST'S RANCH NEAR VIDORA - STATION NO. 11AC008

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1909	---	---	---	---	---	0.824	0.328	0.035	0.087	0.072	---	---	---	1909
1910	---	---	---	0.147	0.073	0.041	0.021	0.045	0.088	0.084	---	---	---	1910
1911	---	---	---	0.746	0.183	0.105	0.050	0.035	0.111	0.080	---	---	---	1911
1912	---	---	---	3.03	0.328	0.090	0.060	0.071	0.083	0.088	---	---	---	1912
1913	---	---	---	1.48	0.208	0.078	0.064	0.035	0.045	0.062	---	---	---	1913
1914	---	---	---	0.875	0.145	0.068	0.010	0.010	0.033	0.064	---	---	---	1914
1915	---	---	---	0.472	0.174	0.148	0.106	0.075	0.117	0.121	---	---	---	1915
1916	---	---	---	0.375	0.513	0.852	0.193	0.034	0.088	0.232	---	---	---	1916
1917	---	---	---	---	1.50	0.221	0.043	0.025	0.044	0.070	---	---	---	1917
1918	---	---	---	---	0.143	0.048	0.030	0.035	0.050	0.060	---	---	---	1918
1919	---	---	---	0.303	0.087	0.024	0.011	0.013	0.037	0.057	---	---	---	1919
1920	---	---	0.071	1.83	0.720	0.184	0.064	0.008	0.029	0.060	---	---	0.360	1920
1921	---	---	0.237	1.12	0.126	0.038	0.018	0.014	0.033	0.060	---	---	0.202	1921
1922	---	---	0.058	2.82	0.774	0.045	0.030	0.024	0.021	0.044	---	---	0.471	1922
1923	---	---	0.045	0.327	0.084	0.130	0.058	0.034	0.034	0.049	---	---	0.085	1923
1924	---	---	0.030	0.360	0.054	0.057	0.009	0.009	0.018	0.037	---	---	0.072	1924
1925	---	---	0.081	1.40	0.078	0.042	0.023	0.025	0.055	0.063	---	---	0.217	1925
1926	---	---	0.078	0.208	0.071	0.030	0.017	0.007	0.050	0.049	---	---	0.128	1926
1927	---	---	0.075	2.45	1.06	0.161	0.048	0.045	0.059	0.077	---	---	0.485	1927
1928	---	---	0.449	0.371	0.175	0.261	0.088	0.042	0.052	0.078	---	---	0.193	1928
1929	---	---	0.172	0.208	0.090	0.134	0.013	0.001	0.010	0.031	---	---	0.062	1929
1940	---	---	0.014	1.28	0.228	0.064	0.028	0.015	0.004	0.021	---	---	0.203	1940
1941	---	---	0.519	0.188	0.041	0.046	0.028	0.003	0.007	0.002	---	---	0.104	1941
1942	---	---	0.084	0.871	0.081	0.287	0.068	0.014	0.023	0.024	---	---	0.152	1942
1943	---	---	0.428	0.885	0.077	0.054	0.018	0.003	0.004	0.030	---	---	0.158	1943
1944	---	---	0.144	0.730	0.078	0.035	0.028	0.017	0.013	0.032	---	---	0.133	1944
1945	---	---	0.388	0.084	0.052	0.031	0.010	0.002	0.010	0.033	---	---	0.074	1945
MEAN	---	---	0.208	0.818	0.274	0.148	0.064	0.026	0.043	0.062	---	---	0.158	MEAN

LOCATION - LAT 49 28 00 N
LONG 109 23 00 W
DRAINAGE AREA, 88.1 km^2
NATURAL FLOW

SUCKER CREEK AT GILCHRIST'S RANCH NEAR VIDORA - STATION NO. 11AC008

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1909	---	---	---	---	1909
1910	---	---	---	---	1910
1911	---	---	---	---	1911
1912	---	---	---	---	1912
1913	---	---	---	---	1913
1914	---	---	---	---	1914
1915	---	---	---	---	1915
1916	---	---	---	---	1916
1917	---	---	---	---	1917
1918	---	---	---	---	1918
1919	---	---	---	---	1919
1920	17.1 ON APR 19	8.17 ON APR 20	0.001 ON SEP 17	5 050	1920
1921	---	5.94 ON APR 14	0.003E ON AUG 30	4 270	1921
1922	81.7 AT 02:00 MST ON APR 23 *	22.4 ON APR 23 *	.008 ON AUG 11	9 870	1922
1923	1.34 AT 01:00 MST ON APR 16	1.13 ON APR 16	0.020 ON AUG 31	2 020	1923
1924	16.2 B AT 05:00 MST ON APR 7	4.56B ON APR 7	0 ON JUL 11 *	1 520	1924
1925	27.5 AT 19:30 MST ON APR 4	9.03 ON APR 5	0.011 ON JUL 18	4 800	1925
1926	2.83 AT 05:00 MST ON APR 11	1.96B ON MAR 18	0.003 ON JUL 31	2 710	1926
1927	26.3 AT 00:30 MST ON APR 26	17.0 ON APR 26	0.003 ON AUG 5	10 500	1927
1928	5.44B AT 20:20 MST ON MAR 21	3.23B ON MAR 21	0.011 ON AUG 11	4 060	1928
1939	---	1.02B ON MAR 25	0 ON JUL 8	1 730	1939
1940	17.1 AT 16:30 MST ON APR 21	13.6 ON APR 21	0 ON AUG 31	4 290	1940
1941	2.76B AT 04:00 MST ON MAR 22	1.85B ON MAR 22	0 ON JUL 18	2 200	1941
1942	4.84 AT 01:00 MST ON JUN 29	2.69 ON JUN 29	0 ON AUG 6	3 220	1942
1943	4.38B AT 21:00 MST ON MAR 26	3.26 ON APR 3	0 ON AUG 31	3 380	1943
1944	4.47B AT 22:30 MST ON MAR 31	3.83B ON APR 1	0.003 ON JUL 17	2 810	1944
1945	3.65B AT 18:00 MST ON MAR 23	2.44B ON MAR 24	0 ON JUL 23	1 570	1945
				4 180	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SWAN RIVER NEAR NORQUAY - STATION NO. 05LE005

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1965	---	---	0.805	7.83	12.8	28.5	4.33	1.93	3.01	3.57	---	---	---	1965
1966	---	---	0.438	11.5	12.4	13.0	12.4	4.78	3.03	1.84	---	---	---	1966
1967	---	---	0.530	7.29	24.8	6.17	0.843	0.509	0.818	2.21	---	---	---	1967
1968	---	---	0.811	2.21	1.01	2.41	1.78	8.76	4.43	1.84	---	---	---	1968
1969	---	---	0.535	6.91	2.18	0.898	1.08	0.830	0.934	4.33	---	---	---	1969
1970	---	---	0.381	8.33	17.1	7.76	12.8	2.77	0.840	4.00	---	---	---	1970
1971	---	---	0.673	31.1	8.26	2.02	1.41	0.874	0.474	2.52	---	---	---	1971
1972	---	---	0.886	15.2	44.3	3.23	2.02	0.513	0.502	0.494	---	---	---	1972
1973	---	---	0.853	3.66	4.06	12.6	8.61	1.31	1.06	0.916	0.781	0.824	---	1973
1974	0.571	0.518	0.524	13.6	31.6	10.3	1.06	0.748	2.60	3.24	1.33	0.870	5.61	1974
1975	0.645	0.483	0.394	8.71	14.7	10.3	2.23	1.06	4.11	5.78	3.17	1.04	4.40	1975
1976	0.498	0.798	0.819	17.1	2.64	20.5	11.0	0.582	0.283	0.581	0.423	0.487	4.83	1976
1977	0.421	0.556	0.801	8.37	3.63	1.27	1.42	2.81	8.98	5.06	5.06	1.82	2.88	1977
1978	0.768	0.573	0.838	10.0	10.2	2.47	2.09	0.813	1.85	3.58	2.48	1.06	3.06	1978
1979	0.834	0.843	0.884	11.0	26.5	19.6	1.86	0.423	0.575	0.832	0.843	0.474	5.49	1979
1980	0.426	0.369	0.384	6.66	1.20	0.703	1.11	3.60	2.85	3.81	1.71	0.771	1.80	1980
1981	0.445	0.408	1.26	9.28	4.64	1.84	2.36	1.82	0.485	8.98	4.67	0.843	2.69	1981
1982	0.586	0.331	0.326	8.01	3.60	2.12	6.86	2.08	1.00	2.22	0.838	0.802	2.17	1982
1983	0.550	0.486	0.811	10.1	17.0	8.16	14.5	2.87	2.18	3.02	2.26	1.41	5.02	1983
1984	0.573	0.838	1.19	23.8	26.1	20.8	2.06	0.388	0.728	1.23	1.14	0.748	6.75	1984
1985	0.500	0.486	0.788	17.4	8.13	4.73	2.00	3.83	2.86	4.00	1.14	0.830	3.85	1985
1986	0.510	0.388	0.716	22.4	14.2	8.44	3.88	1.81	1.10	1.23	0.802	0.760	4.48	1986
1987	0.647	0.694	1.19	16.0	3.22	2.13	5.07	1.81	0.940	2.40	2.53	0.728	3.18	1987
1988	0.342	0.324	0.670	20.4	33.2	2.41	0.478	0.482	0.358	0.488	0.456	0.382	5.01	1988
MEAN	0.545	0.508	0.683	12.2	13.6	7.84	4.28	1.81	1.82	2.73	1.83	0.823	4.08	MEAN

LOCATION - LAT 51 59 52 N
LONG 102 04 28 W
DRAINAGE AREA, 1 030 km^2
NATURAL FLOW

SWAN RIVER NEAR NORQUAY - STATION NO. 05LE005

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1965	---	---	---	---	1965
1966	---	---	---	---	1966
1967	---	---	---	---	1967
1968	---	---	---	---	1968
1969	---	---	---	---	1969
1970	---	---	---	---	1970
1971	---	---	---	---	1971
1972	142 ON MAY 4 *	140 ON MAY 4 *	0.081 ON SEP 2	---	1972
1973	---	19.3 ON JUL 8	---	---	1973
1974	---	47.38 ON APR 21	0.380 ON AUG 12	177 000	1974
1975	45.38 AT 03:00 CST ON APR 23	30.3 ON APR 28	0.3788 ON MAR 14	139 000	1975
1976	47.3 AT 03:42 CST ON JUN 29	46.7 ON JUN 29	0.110 ON SEP 8	148 000	1976
1977	16.98 AT 06:39 CST ON APR 14	16.68 ON APR 13	0.3668 ON JAN 1	84 100	1977
1978	27.7 AT 16:51 CST ON MAY 3	27.7 ON MAY 3	0.227 ON AUG 17	88 000	1978
1979	42.2 AT 10:12 CST ON JUN 11	41.8 ON JUN 11	0.268 ON AUG 28	173 000	1979
1980	26.78 AT 02:37 CST ON APR 15	20.88 ON APR 14	0.226 ON AUG 3	80 200	1980
1981	14.0 AT 03:00 CST ON OCT 20	13.8 ON OCT 20	0.014 ON SEP 12 *	91 300	1981
1982	21.6 AT 12:48 CST ON JUL 22	21.4 ON JUL 22	0.2488 ON MAR 6	88 300	1982
1983	60.7 AT 04:12 CST ON APR 26	55.6 ON APR 26	0.3188 ON FEB 20	156 000	1983
1984	45.0A ON MAY 23	44.8E ON MAY 23	0.208 ON SEP 8	213 000	1984
1985	36.6B AT 01:26 CST ON APR 16	35.3B ON APR 16	0.3328 ON FEB 13	121 000	1985
1986	44.7B AT 20:46 CST ON APR 7	41.3B ON APR 7	0.2358 ON FEB 17	141 000	1986
1987	59.7B AT 14:33 CST ON APR 7	51.1B ON APR 7	0.4708 ON DEC 31	101 000	1987
1988	129 AT 00:22 CST ON MAY 6	122 ON MAY 5	0.0878 ON FEB 8	159 000	1988
				129 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SWEETWATER CREEK NEAR STAR CITY - STATION NO. 05KB012

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1972	---	---	---	---	---	---	---	---	---	---	---	---	---	1972
1974	---	---	0	2.40	---	---	---	---	---	---	---	---	---	1974
MEAN	---	---	0	2.40	---	---	---	---	---	---	---	---	---	MEAN

LOCATION - LAT 52 50 30 N
LONG 104 22 18 W

SWEETWATER CREEK NEAR STAR CITY - STATION NO. 05KB012

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1972	11.3 IN APR	---	---	---	1972
1974	---	---	---	---	1974
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

SWIFT CURRENT CANAL AT SWIFT CURRENT - STATION NO. 05MD034

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1946	---	---	---	---	---	0.195	0.313	0.051	0.564	0.508	---	---	---	1946
1947	---	---	---	---	0.009	0.055	0.151	0.066	1.04	1.11	---	---	---	1947
1951	---	---	---	---	0.014	0.253	0.766	0.602	0.031	0.020	---	---	---	1951
1952	---	---	---	---	---	0.255	0.304	0.207	0.145	0.067	---	---	---	1952
1953	---	---	0.008	0	0.078	0.048	0.265	0.403	0.037	0.266	---	---	0.143	1953
1954	---	---	0	0	0.087	0.039	0.403	0.233	0.009	0	---	---	0.097	1954
1955	---	---	---	---	0	0.373	0.232	0.215	0.016	0.266	0	---	---	1955
1956	---	---	0	0	0.008	0.486	0.338	0.283	0.006	0.024	---	---	0.142	1956
1957	---	---	0.016	0.001	0.178	0.535	1.19	0.718	0.139	0.203	---	---	0.376	1957
1958	---	---	0.060	2.08	0.441	0.475	0.506	0.817	0.581	0	---	---	0.592	1958
1959	---	---	0.306	2.85	2.61	1.27	0.174	0.629	0.027	0.144	---	---	0.884	1959
1960	---	---	0.059	0.017	0.032	0.541	0.358	0.283	0.160	0.348	---	---	0.228	1960
1961	---	---	0.706	3.41	0.437	0.485	1.11	0.906	1.78	0.883	---	---	1.21	1961
1962	---	---	0.031	2.07	0.301	0.441	0.444	0.083	0	0	---	---	0.418	1962
1963	---	---	0.316	2.52	0.156	0.447	0.193	0.416	0.164	0.154	---	---	0.540	1963
1964	---	---	0.001	1.72	3.14	0.710	1.17	1.89	0.806	0	---	---	1.19	1964
1965	---	---	0	0.003	0.067	0.547	0.060	0.405	0	0	---	---	0.135	1965
1966	---	---	0.003	0	0.025	0.880	0.210	0.520	0.013	0.082	---	---	0.191	1966
1967	---	---	0	0	0	0.842	0.384	1.38	0.004	0	---	---	0.341	1967
1968	---	---	0.394	2.91	0.143	0.738	1.07	0.351	0	0	---	---	0.695	1968
1969	---	---	0	0	0.083	0.982	0.219	0.844	0.005	0.344	0.773	---	0.286	1969
1970	---	---	0	0	0.005	0.710	0.218	0.894	0	0	---	---	0.241	1970
1971	---	---	0	0.001	0.574	0.353	0.557	0.474	0	0	---	---	0.246	1971
1972	---	---	0	2.88	2.72	0	0.882	0.054	0.001	0	---	---	0.838	1972
1973	---	---	0	2.08	2.86	0.271	0.972	0.011	0.031	0	---	---	0.754	1973
1974	---	---	0	0.001	0.011	0.804	0.800	0.388	0.050	0	---	---	0.182	1974
1975	---	---	0	0	0.011	0.852	0.862	0.188	0.018	0	---	---	0.222	1975
1976	---	---	0	0.005	1.01	0.113	0.530	0.622	0.116	0.084	---	---	0.312	1976
1977	---	---	0.037	2.02	2.45	0.108	0.883	0.902	0.081	0.009	---	---	0.888	1977
1978	---	---	0	1.85	2.30	0.307	1.56	0	0	0	---	---	0.740	1978
1979	---	---	0	0.882	2.14	0.818	1.02	0.252	0.073	0.011	---	---	0.878	1979
1980	---	---	0.082	2.02	2.26	0.354	2.26	0.522	0.137	0	---	---	0.887	1980
1981	---	---	1.02	2.84	2.22	0.226	1.17	0.307	0.123	0.028	---	---	0.886	1981
1982	---	---	0	0.002	0.771	0.837	0.383	0.702	0.118	0.072	---	---	0.318	1982
1983	---	---	0.076	0.237	0.522	1.14	1.36	0.212	0.173	0.002	---	---	0.484	1983
1984	---	---	0.173	2.11	2.87	0.180	1.80	0.234	0.068	0	---	---	1.17	1984
1985	---	---	0.882	0.304	2.02	0.803	2.88	0.107	0.073	0	---	---	0.878	1985
1986	---	0.153	0.877	0.018	1.38	1.16	2.06	0.208	0.188	0	---	---	0.731	1986
1987	---	---	0.888	0.200	3.82	1.23	2.87	0.230	0.108	0	---	---	1.18	1987
1988	---	0.077	0.848	3.28	2.07	0.077	0.067	0	0	0	---	---	0.802	1988
MEAN	---	0.115	0.200	1.15	1.06	0.488	0.827	0.428	0.172	0.117	0.387	---	0.876	MEAN

LOCATION - LAT 50 15 03 N
LONG 107 46 43 W REGULATED

SWIFT CURRENT CANAL AT SWIFT CURRENT - STATION NO. 05MD034

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1946	---	1.17 ON SEP 25	0 ON JUN 26 *	---	1946
1947	---	1.81 ON SEP 12	0 ON MAY 1	---	1947
1951	---	1.33 ON JUL 26	0 ON MAY 1	---	1951
1952	---	0.767 ON JUN 26	0 ON JUN 1	---	1952
1953	---	1.16 ON JUL 26	0B ON MAR 1	3 030	1953
1954	---	0.776 ON AUG 3	0B ON MAR 1	2 080	1954
1955	---	0.765 ON JUN 15	0 ON MAY 1	---	1955
1956	---	0.881 ON JUL 27	0 ON MAR 1	3 000	1956
1957	---	2.12 ON JUL 21	0B ON MAR 1	7 850	1957
1958	---	2.86 ON APR 8	0 ON MAY 5	12 500	1958
1959	---	3.48 ON MAY 6	0B ON MAR 1	20 800	1959
1960	---	1.10 ON AUG 2	0B ON MAR 1	4 830	1960
1961	---	3.71 ON APR 27	0B ON MAR 1	25 600	1961
1962	---	4.30 ON APR 30	0B ON MAR 1	8 800	1962
1963	---	3.09 ON APR 12	0B ON MAR 1	11 400	1963
1964	---	3.37 ON MAY 4	0B ON MAR 1	25 300	1964
1965	---	1.01 ON JUN 10	0B ON MAR 1	3 850	1965
1966	---	1.72 ON AUG 7	0B ON MAR 1	4 040	1966
1967	---	2.13 ON JUN 11	0B ON MAR 1	7 210	1967
1968	---	4.76 ON APR 21	0 ON MAR 1	14 700	1968
1969	---	3.23 ON OCT 26	0B ON MAR 1	8 040	1969
1970	---	2.12 ON JUN 6	0 ON MAR 1	5 100	1970
1971	---	1.76 ON MAY 31	0B ON MAR 1	5 220	1971
1972	---	3.45 ON APR 7	0B ON MAR 1	17 700	1972
1973	---	3.26 ON APR 10	0B ON MAR 1	15 800	1973
1974	---	1.66 ON JUL 31	0 ON MAR 1	3 850	1974
1975	---	1.73 ON JUL 28	0 ON MAR 1	4 880	1975
1976	---	1.86 ON JUL 28	0 ON MAR 1	6 820	1976
1977	---	3.81 ON MAY 2	0B ON MAR 1	15 400	1977
1978	---	3.40 ON APR 15	0B ON MAR 1	15 700	1978
1979	---	3.13 ON MAY 13	0B ON MAR 1	14 300	1979
1980	---	2.82 ON JUL 14	0B ON MAR 1	20 800	1980
1981	---	2.74 ON APR 7	0 ON MAR 1	20 400	1981
1982	---	2.26 ON MAY 23	0 ON MAR 1	8 750	1982
1983	---	2.28 ON MAY 27	0B ON MAR 1	8 820	1983
1984	---	4.55 ON APR 17	0 ON MAR 1	24 800	1984
1985	---	6.17 ON JUL 18 *	0B ON MAR 1	18 800	1985
1986	---	3.62 ON MAY 23	0 ON APR 3	15 800	1986
1987	---	4.78 ON JUN 1	0B ON MAR 1	24 800	1987
1988	---	4.18 ON APR 15	0 ON JUL 14	17 000	1988
				12 200	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

SWIFT CURRENT CREEK ABOVE DUNCAIRN RESERVOIR - STATION NO. 05HD031

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1944	---	---	0.826	5.35	0.790	0.502	0.334	0.085	0.068	0.212	---	---	1.02	1944
1945	---	---	7.53	1.32	0.868	0.523	0.138	0.010	0.009	0.306	---	---	1.34	1945
1946	---	---	8.65	1.92	0.515	0.214	0.068	0.010	0.073	0.370	---	---	1.45	1946
1947	---	---	5.92	6.85	1.40	0.723	0.127	0.035	0.068	0.208	---	---	1.81	1947
1948	---	---	2.25	5.30	1.46	0.438	0.154	0.028	0.002	0.035	---	---	1.33	1948
1949	---	---	1.24	3.11	0.324	0.126	0.226	0.382	0.003	0.068	---	---	0.880	1949
1950	---	---	0.574	18.4	1.72	0.526	0.195	0.177	0.261	0.347	---	---	2.85	1950
1951	---	---	0.348	24.3	5.77	1.13	0.412	0.311	1.10	1.35	---	---	4.23	1951
1952	---	---	0.879	57.5	2.09	0.250	0.540	0.178	0.284	0.378	---	---	7.63	1952
1953	---	---	8.83	5.13	2.38	3.32	0.291	0.101	0.070	0.185	---	---	2.88	1953
1954	---	---	0.883	12.4	1.38	1.08	0.530	0.412	0.830	0.830	---	---	2.22	1954
MEAN	---	---	3.84	13.0	1.70	0.791	0.272	0.164	0.262	0.373	---	---	2.49	MEAN

LOCATION - LAT 49 57 30 N LONG 108 11 00 W DRAINAGE AREA, 1 920 km² NATURAL FLOW

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1944	---	22.7 B ON APR 4	0 B ON MAR 1 *	21 800	1944
1945	---	20.4 B ON MAR 13	0 ON AUG 23	28 800	1945
1946	---	14.4 B ON MAR 14	0 ON AUG 4	30 700	1946
1947	---	20.0 B ON MAR 22	0.014 ON SEP 12	40 800	1947
1948	---	22.1 ON APR 19	0 B ON MAR 1	28 100	1948
1949	---	8.38 ON APR 5	0 ON SEP 10	14 400	1949
1950	---	88.5 ON APR 16	0 B ON MAR 1	80 400	1950
1951	---	84.0 ON APR 6	0 B ON MAR 1	90 700	1951
1952	---	174 ON APR 16 *	0.085 ON AUG 14	161 000	1952
1953	---	52.4 B ON MAR 30	0.003 ON SEP 22	56 400	1953
1954	---	51.0 B ON APR 9	0.093 ON JUL 29	47 100	1954
				52 700	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

SWIFT CURRENT CREEK AT POLLOCK'S RANCH - STATION NO. 05HD001

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1909	---	---	---	---	---	0.100	0.082	0.020	0.008	0.013	---	---	---	1909
1910	---	---	---	0.085	0.018	0.028	0.024	0.021	0.032	0.040	---	---	0.032	1910
1911	---	---	---	---	---	0.037	0.028	0.028	0.040	0.052	---	---	---	1911
1912	---	---	---	---	0.108	0.048	0.021	0.033	0.038	0.044	---	---	---	1912
1913	---	---	---	---	0.052	0.038	0.028	0.037	0.032	0.043	---	---	---	1913
1914	---	---	---	0.087	0.045	0.028	0.017	0.035	0.040	0.050	---	---	0.043	1914
1915	---	---	---	0.107	0.068	0.053	0.039	0.043	0.040	0.041	---	---	0.058	1915
1916	---	---	---	0.277	0.089	0.115	0.068	0.041	0.039	0.044	---	---	0.095	1916
MEAN	---	---	---	0.134	0.063	0.055	0.039	0.032	0.034	0.041	---	---	0.057	MEAN

LOCATION - LAT 49 34 20 N LONG 108 48 20 W DRAINAGE AREA, 57.2 km² NATURAL FLOW

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1909	---	---	---	---	1909
1910	---	0.278 ON JUL 23	0.004 ON JUN 27 *	594	1910
1911	---	---	---	---	1911
1912	---	---	---	---	1912
1913	---	---	---	---	1913
1914	---	0.159 ON OCT 8	0.011 ON JUL 11	792	1914
1915	---	0.288 ON JUN 19	0.016 ON JUL 8	1 030	1915
1916	---	1.55 ON JUN 17 *	0.031 ON AUG 22	1 780	1916
				1 040	MEAN

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SWIFT CURRENT CREEK AT SINCLAIR'S RANCH (LOWER STATION) - STATION NO. 05HD005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1910	---	---	---	---	---	0.405	0.204	0.203	0.361	0.380	---	---	---	1910
1911	---	---	---	---	---	0.816	0.480	0.348	0.650	0.726	---	---	---	1911
1912	---	---	---	---	---	1.12	0.478	0.280	0.427	0.868	---	---	---	1912
1913	---	---	---	---	0.870	0.820	0.332	0.148	0.228	0.370	---	---	---	1913
1914	---	---	---	2.80	0.831	0.526	0.083	0.031	0.388	0.940	---	---	---	1914
1915	---	---	---	2.36	1.48	1.82	1.24	0.288	0.445	0.787	---	---	---	1915
1916	---	---	---	3.78	1.74	2.13	0.877	0.489	0.600	0.888	---	---	---	1916
1917	---	---	---	---	4.57	1.02	0.366	0.124	0.391	---	---	---	---	1917
1918	---	---	---	3.82	0.778	0.386	0.187	0.268	0.377	0.481	---	---	---	1918
1919	---	---	---	3.04	0.822	0.242	0.071	0.082	0.202	0.308	---	---	---	1919
1920	---	---	3.03	5.77	2.10	0.888	0.370	0.095	0.185	0.383	---	---	1.58	1920
1921	---	---	1.28	3.70	1.41	0.434	0.263	0.128	0.360	0.448	---	---	0.898	1921
1922	---	---	0.283	9.58	2.58	0.888	0.478	0.331	0.223	0.303	---	---	1.80	1922
1923	---	---	0.783	3.04	0.736	0.782	0.870	0.268	0.200	0.313	---	---	0.831	1923
1924	---	---	0.095	2.46	0.881	0.881	0.488	0.339	0.133	0.374	---	---	0.844	1924
1925	---	---	4.78	6.41	0.787	0.787	0.133	0.109	0.218	0.535	---	---	1.71	1925
1926	---	---	4.87	1.27	0.472	0.388	0.145	0.108	0.248	0.335	---	---	0.888	1926
1927	---	---	1.14	9.84	5.78	1.89	2.08	0.480	0.538	0.778	---	---	2.81	1927
1928	---	---	---	---	---	---	---	---	---	0.230	---	---	---	1928
1929	---	---	1.73	8.28	1.14	0.873	---	---	---	---	---	---	---	1929
MEAN	---	---	2.01	4.77	1.68	0.838	0.488	0.226	0.347	0.508	---	---	1.42	MEAN

LOCATION - LAT 49 49 02 N, LONG 108 33 13 W. DRAINAGE AREA, 818 km². NATURAL FLOW

SWIFT CURRENT CREEK AT SINCLAIR'S RANCH (LOWER STATION) - STATION NO. 05HD005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1910	---	---	---	---	1910
1911	---	---	---	---	1911
1912	---	---	---	---	1912
1913	---	---	---	---	1913
1914	---	---	0 ON AUG 30 *	---	1914
1915	---	---	---	---	1915
1916	---	---	---	---	1916
1917	---	---	---	---	1917
1918	---	---	---	---	1918
1919	---	11.2 E ON APR 3	---	---	1919
1920	---	14.6 E ON APR 14	0.0388 ON MAR 1	33 700	1920
1921	---	10.8 ON APR 14	0.099 ON SEP 3	21 300	1921
1922	---	24.4 ON APR 22 *	0 E ON MAR 1	36 300	1922
1923	---	8.898 ON APR 15	0.181 ON SEP 3	17 800	1923
1924	---	11.8 E ON APR 6	0.0318 ON MAR 7	13 900	1924
1925	---	21.8 E ON MAR 25	0.048 ON AUG 23	38 000	1925
1926	---	17.0 ON MAR 19	0.082 ON JUL 25	21 100	1926
1927	---	18.3 ON APR 6	0.0858 ON MAR 1	58 800	1927
1928	---	---	---	---	1928
1929	---	22.8 E ON APR 12	0 E ON MAR 1	---	1929
				30 100	MEAN

E - ICE CONDITIONS
E - ESTIMATED

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SWIFT CURRENT CREEK AT SINCLAIR'S RANCH (UPPER STATION) - STATION NO. 05HD004

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1910	---	---	---	---	---	---	0.028	0.010	0.048	0.052	---	---	---	1910
1911	---	---	---	---	---	0.158	0.102	0.041	0.383	0.148	---	---	---	1911
1912	---	---	---	---	---	---	0.113	0.092	0.057	0.125	---	---	---	1912
1913	---	---	---	---	0.317	0.230	0.080	0.027	0.026	0.088	---	---	---	1913
1914	---	---	---	1.23	0.163	0.128	0.018	0.012	0.151	0.257	---	---	0.277	1914
1915	---	---	---	---	0.887	0.850	0.407	0.082	0.087	0.089	---	---	---	1915
1916	---	---	---	1.27	0.813	0.785	0.278	0.188	0.181	0.340	---	---	0.887	1916
MEAN	---	---	---	1.25	0.486	0.388	0.181	0.058	0.133	0.180	---	---	0.417	MEAN

LOCATION - LAT 49 48 58 N, LONG 108 33 14 W. DRAINAGE AREA, 372 km². NATURAL FLOW

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1918

SWIFT CURRENT CREEK AT SINCLAIR'S RANCH (UPPER STATION) - STATION NO. 05HD004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1910	---	---	0 ON JUL 31 *	---	1910
1911	---	---	---	---	1911
1912	---	---	---	---	1912
1913	---	---	---	---	1913
1914	---	2.84 ON APR 6 *	0 ON JUL 30	5 120	1914
1915	---	---	---	---	1915
1916	---	2.83 ON MAY 27	0.093 ON JUL 19	10 300	1916
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		7 710	MEAN

SWIFT CURRENT CREEK AT SWIFT CURRENT - STATION NO. 05HD007

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1910	---	---	---	---	1.08	0.807	0.424	0.242	0.516	0.411	---	---	---	1910
1911	---	---	---	12.1	2.16	1.13	0.788	0.472	1.38	0.904	---	---	---	1911
1912	---	---	---	---	3.86	2.86	0.757	0.880	0.839	1.21	0.922	0.323	---	1912
1913	---	---	---	---	1.57	1.28	0.864	0.287	0.134	0.534	---	---	---	1913
1926	0.113	0.387	10.4	2.28	1.16	0.719	0.287	0.134	0.413	0.884	0.828	0.165	3.18	1926
1927	0.074	0.007	1.86	20.1	8.42	4.82	4.31	0.816	0.887	0.987	0.817	0.251	5.28	1927
1928	5.85	2.15	8.86	3.50	1.58	2.10	1.84	0.815	0.385	0.715	0.807	0.348	2.58	1928
1929	0.222	0.074	3.87	4.70	1.86	1.36	0.436	0.044	0.108	0.425	0.414	0.181	1.87	1929
1930	0.046	8.83	4.26	8.87	1.83	0.878	0.536	0.082	0.646	0.838	1.03	0.817	1.86	1930
1931	0.488	0.026	0.833	---	---	---	---	---	---	---	---	---	---	1931
1933	---	---	---	2.82	1.82	0.883	0.884	0.187	0.882	0.802	---	---	---	1933
1934	---	---	---	3.87	0.823	1.03	0.144	0.008	0.033	0.483	---	---	---	1934
1935	---	---	---	8.84	1.73	0.826	0.845	0.324	0.860	0.178	---	---	---	1935
1936	---	---	7.36	14.6	1.81	0.488	0.040	0	0	0.110	---	---	2.02	1936
1937	---	---	0.758	4.18	0.618	0.304	0.052	0	0	0	---	---	0.783	1937
1938	---	---	8.81	7.31	2.30	0.802	0.383	0.098	0.046	0.186	---	---	2.87	1938
1939	---	---	12.6	3.23	1.68	5.73	0.881	0.303	0.180	0.136	---	---	2.89	1939
1940	---	---	4.11	18.6	1.58	0.878	0.076	0.083	0.032	0.183	---	---	3.13	1940
1944	---	---	---	---	0.746	0.887	0.535	1.11	0.886	0.820	---	---	---	1944
1945	---	---	---	1.16	0.780	0.704	1.31	1.13	0.442	0.493	---	---	---	1945
1946	---	---	---	---	---	1.35	1.33	1.07	0.836	0.716	---	---	---	1946
1947	---	---	2.72	10.3	2.11	1.35	1.32	0.086	0.891	0.587	---	---	2.36	1947
1948	---	---	1.75	4.46	1.18	1.67	1.41	0.784	0.816	1.18	---	---	1.68	1948
1949	---	---	3.32	1.37	0.473	0.380	0.478	0.368	0.828	0.383	---	---	0.780	1949
1950	---	---	0.758	12.4	1.81	1.83	2.17	1.77	1.48	0.848	---	---	2.83	1950
1951	---	---	0.846	22.9	10.7	2.78	1.78	1.18	1.41	1.83	---	---	5.39	1951
1952	---	---	1.61	84.4	10.8	5.80	2.17	2.84	2.88	5.68	---	---	11.8	1952
1953	---	---	7.71	5.15	2.11	3.83	1.81	1.10	0.886	0.204	---	---	3.31	1953
1954	---	---	0.877	4.08	1.08	0.878	0.672	0.886	0.700	0.835	---	---	1.17	1954
1955	---	---	2.84	40.9	2.78	1.72	5.62	1.76	1.74	1.08	---	---	7.74	1955
1956	---	---	4.80	4.58	1.21	0.818	0.817	1.10	0.485	0.885	---	---	1.81	1956
1957	---	---	5.35	4.38	0.708	0.871	0.365	0.488	0.388	0.885	---	---	1.84	1957
1958	---	---	4.87	14.8	1.18	0.880	0.516	1.18	0.748	0.980	---	---	3.08	1958
1959	---	---	2.04	0.878	0.478	0.895	0.378	0.182	0.308	0.284	---	---	0.840	1959
1960	---	---	17.8	1.81	0.423	0.272	0.822	1.80	0.843	0.713	---	---	2.85	1960
1961	---	---	2.43	0.813	0.721	0.886	0.884	0.809	0.488	0.886	---	---	0.882	1961
1962	---	---	1.88	2.13	0.803	0.427	0.293	0.438	0.183	0.187	---	---	0.781	1962
1963	---	---	3.22	1.14	0.802	0.888	1.70	0.889	0.234	0.288	---	---	1.08	1963
1964	---	---	1.42	0.827	0.821	0.813	0.812	0.408	0.483	0.182	---	---	0.888	1964
1965	---	---	0.431	18.8	5.03	0.844	1.17	0.878	0.884	1.80	---	---	3.64	1965
1966	---	---	18.8	4.87	1.74	1.08	0.884	0.520	0.842	1.38	---	---	3.74	1966
1967	---	---	2.26	31.8	8.08	1.01	0.378	0.438	0.888	0.721	---	---	5.74	1967
1968	---	---	1.82	1.41	2.04	1.08	0.718	0.888	0.888	1.17	---	---	1.23	1968
1969	---	---	1.01	8.02	0.819	0.781	1.45	1.35	1.86	1.25	---	---	2.18	1969
1970	---	---	4.37	18.8	1.81	2.08	1.46	0.888	1.81	1.40	---	---	4.08	1970
1971	---	---	2.80	16.2	1.63	2.14	2.24	1.40	1.86	1.83	---	---	3.86	1971
1972	---	---	1.82	2.81	0.888	0.358	0.385	0.388	0.404	0.888	---	---	0.872	1972
1973	---	---	1.08	0.848	0.248	0.432	0.888	0.384	0.333	0.181	---	---	0.478	1973
1974	---	---	0.844	8.19	0.868	0.888	0.888	1.04	0.832	1.17	---	---	1.81	1974
MEAN	1.08	1.83	4.44	8.78	2.18	1.38	1.13	0.883	0.888	0.837	0.868	0.308	2.78	MEAN

LOCATION - LAT 50 16 50 N DRAINAGE AREA, 3 280 km^2
LONG 107 48 40 W REGULATED SINCE 1942

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1930 AND 1966

SWIFT CURRENT CREEK AT SWIFT CURRENT - STATION NO. 05HD007

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1910	---	---	0 ON JUL 31 *	---	1910
1911	---	---	---	---	1911
1912	---	---	---	---	1912
1913	---	---	---	---	1913
1926	---	122 B ON MAR 27	0.0038 ON AUG 1	87 300	1926
1927	---	84.7 B ON APR 2	0.0118 ON MAR 1	112 000	1927
1928	---	33.4 B ON MAR 20	0.113 ON AUG 22	84 800	1928
1929	---	10.7 B ON MAR 20	0.017 ON AUG 21	33 300	1929
1930	---	18.8 ON APR 8	0.001 ON AUG 12	41 400	1930
1931	---	---	---	---	1931
1933	---	---	0 ON AUG 20	---	1933
1934	---	---	0 ON AUG 3	---	1934
1935	---	---	---	---	1935
1936	---	83.6 ON APR 11	0 B ON MAR 1	83 800	1936
1937	---	15.0 B ON APR 13	0 B ON MAR 1	15 800	1937
1938	---	48.4 B ON MAR 19	0.006 ON SEP 3	84 500	1938
1939	---	82.1 B ON MAR 23	0 B ON MAR 1	83 200	1939
1940	---	127 ON APR 15	0.003 ON SEP 4	86 300	1940
1944	---	---	0 ON OCT 14	---	1944
1945	---	---	0 ON JUN 6	---	1945
1946	---	---	---	---	1946
1947	---	27.2 ON APR 11	0 ON AUG 7	80 300	1947
1948	---	32.6 B ON APR 17	0.057 ON JUL 8	35 100	1948
1949	---	3.43 ON APR 8	0.014 ON OCT 1	15 900	1949
1950	---	32.3 ON APR 16	B.2278 ON MAR 7	89 800	1950
1951	---	61.2 ON APR 12	B.8108 ON MAR 1	114 000	1951
1952	---	187 ON APR 12 *	0.020 ON JUL 3	262 000	1952
1953	---	86.4 B ON MAR 28	0.003 ON OCT 23	70 000	1953
1954	---	30.0 B ON APR 8	0.3068 ON APR 3	24 800	1954
1955	---	68.0 ON APR 8	0.2038 ON MAR 1	184 000	1955
1956	---	26.6 B ON MAR 28	0.225 ON SEP 18	36 300	1956
1957	---	35.4 B ON MAR 21	B ON AUG 31	24 700	1957
1958	70.8 AT 12:48 MST ON APR 2 *	67.7 ON APR 2	0.057 ON APR 20	64 700	1958
1959	---	8.758 ON MAR 9	0.028 ON AUG 8	13 800	1959
1960	---	77.0 ON MAR 28	0.014 ON JUN 8	83 800	1960
1961	13.98 AT 10:00 MST ON MAR 14	12.6 B ON MAR 14	0.178 ON OCT 18	16 800	1961
1962	---	11.2 B ON MAR 27	0.068 ON AUG 18	16 100	1962
1963	---	31.1 B ON MAR 23	0.0548 ON MAR 1	23 300	1963
1964	---	7.78 ON JUN 14	0.048 ON JUN 28	14 100	1964
1965	---	84.7 B ON APR 10	0.133 ON SEP 28	77 000	1965
1966	---	47.6 B ON MAR 23	0.198 ON AUG 4	78 200	1966
1967	---	88.0 ON APR 14	0.321 ON JUL 18	121 000	1967
1968	---	8.008 ON MAR 1	0.0288 ON MAR 21	36 000	1968
1969	---	47.0 B ON APR 8	0.127 ON MAY 21	46 100	1969
1970	---	37.1 ON APR 7	0.398 ON AUG 15	88 300	1970
1971	49.3 ON APR 7	49.3 ON APR 7	0.4258 ON MAR 1	77 800	1971
1972	---	8.858 ON APR 4	B.040 ON JUN 8	16 800	1972
1973	---	2.33 ON APR 28	0.004 ON APR 8	10 100	1973
1974	---	24.8 B ON APR 10	0.128 ON JUL 18	32 000	1974
				66 400	MEAN

B - ICE CONDITIONS
E - ESTIMATED

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SWIFT CURRENT CREEK BELOW PELLETIER CREEK - STATION NO. 05MD030

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1944	---	---	1.10	1.97	0.743	0.775	0.830	1.62	0.811	1.95	---	---	1.18	1944
1945	---	---	3.00	0.885	0.814	1.01	2.15	1.52	0.825	0.589	---	---	1.35	1945
1946	---	---	5.07	1.45	1.67	2.65	1.90	0.843	1.24	1.01	---	---	1.99	1946
1947	---	---	2.19	5.81	1.69	1.20	1.14	0.765	1.89	1.58	---	---	2.17	1947
1948	---	---	0.385	1.31	1.67	1.29	1.93	1.23	1.88	3.58	---	---	1.85	1948
1949	---	---	0.818	1.02	1.83	2.59	2.42	0.828	0.505	0.263	---	---	1.28	1949
1950	---	---	0.545	9.38	1.71	1.58	3.18	2.83	1.69	0.833	---	---	2.70	1950
1951	---	---	0.908	18.8	9.59	3.07	2.81	1.59	1.27	1.70	---	---	5.05	1951
1952	---	---	0.588	55.6	10.3	5.35	2.84	2.67	2.53	5.78	---	---	10.7	1952
1953	---	---	4.50	6.85	1.82	2.79	1.87	1.14	0.825	0.531	---	---	2.54	1953
1954	---	---	0.537	1.58	0.884	0.841	1.11	0.784	0.686	0.585	---	---	0.837	1954
1955	---	---	3.06	38.4	2.37	1.98	7.71	2.21	2.18	2.08	---	---	7.84	1955
1956	---	---	3.09	3.30	1.18	1.48	1.57	1.37	0.802	0.854	---	---	1.71	1956
1957	---	---	4.12	4.20	0.785	1.48	1.68	1.38	0.891	0.641	---	---	1.86	1957
1958	---	---	1.78	18.3	1.61	1.37	1.25	1.48	1.17	0.710	---	---	3.16	1958
1959	---	---	0.986	3.89	3.01	1.57	0.596	0.837	0.285	0.482	---	---	1.43	1959
1960	---	---	11.5	1.02	0.537	1.21	1.11	1.23	1.02	0.905	---	---	2.33	1960
1961	---	---	2.36	4.38	0.988	1.22	2.14	1.72	2.56	1.70	---	---	2.13	1961
1962	---	---	1.47	4.15	0.880	0.889	1.38	0.870	0.238	0.178	---	---	1.28	1962
1963	---	---	1.58	3.81	0.714	1.24	2.02	1.38	0.846	0.571	---	---	1.49	1963
1964	---	---	0.999	2.79	3.83	0.884	2.79	2.87	1.24	0.100	---	---	1.92	1964
1965	---	---	0.572	13.7	4.18	1.31	1.64	1.58	0.818	1.78	---	---	3.06	1965
1966	---	---	11.8	4.23	1.82	1.78	1.35	1.45	0.898	1.94	---	---	3.14	1966
1967	---	---	1.78	31.4	8.88	2.18	1.34	2.13	0.838	0.609	---	---	5.07	1967
1968	---	---	1.24	4.41	3.12	2.07	2.73	1.84	0.887	2.33	---	---	2.18	1968
1969	---	---	2.06	7.85	1.10	1.93	3.33	2.87	2.10	1.68	---	---	2.86	1969
1970	---	---	2.78	17.7	1.84	2.78	2.34	2.26	2.01	1.80	---	---	4.13	1970
1971	---	---	3.73	14.5	1.88	2.78	3.48	3.07	2.18	1.83	---	---	4.13	1971
1972	---	---	1.78	5.07	2.86	0.745	1.89	0.808	0.704	0.581	---	---	1.93	1972
1973	---	---	0.885	2.48	2.82	0.887	2.31	0.783	0.338	0.212	---	---	1.38	1973
1974	---	---	0.350	2.79	0.717	1.44	1.48	1.34	0.978	1.05	---	---	1.26	1974
MEAN	---	---	2.50	8.48	2.47	1.78	2.10	1.58	1.17	1.33	---	---	2.78	MEAN

LOCATION - LAT 50 08 53 N DRAINAGE AREA, 3 810 km²
LONG 107 53 47 W REGULATED SINCE 1942

SWIFT CURRENT CREEK BELOW PELLETIER CREEK - STATION NO. 05MD030

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1944	---	8.818 ON APR 1	0.1708 ON MAR 1	24 800	1944
1945	---	11.3 B ON MAR 12	0.1708 ON MAR 1	26 600	1945
1946	12.8 ON MAR 13	12.4 ON MAR 13	0.283 ON OCT 29	42 200	1946
1947	19.8 B ON APR 10	12.1 B ON APR 10	0.4358 ON MAR 1	46 000	1947
1948	8.148 ON APR 16	4.80 ON OCT 11	0.1708 ON APR 5	34 800	1948
1949	---	3.11 ON MAY 30	0.176 ON AUG 29	27 100	1949
1950	43.3 B AT 08:00 CST ON APR 20	34.5 B ON APR 20	0.2378 ON APR 1	87 100	1950
1951	---	69.1 B ON APR 10	0.8508 ON MAR 1	107 000	1951
1952	168 AT 22:00 CST ON APR 11 *	142 ON APR 12 *	0.006 ON AUG 23	226 000	1952
1953	---	33.4 B ON MAR 28	0.036 ON JUL 33	63 800	1953
1954	---	8.858 ON APR 6	0.348 ON AUG 20	17 700	1954
1955	75.9 AT 18:30 CST ON APR 7	70.2 B ON APR 1	0.1438 ON MAR 14	158 000	1955
1956	33.6 B AT 20:00 CST ON MAR 24	18.2 B ON MAR 24	0.3845 ON MAR 1	38 100	1956
1957	---	20.6 B ON MAR 31	0.282 ON OCT 24	38 400	1957
1958	66.8 AT 16:00 CST ON APR 2	65.1 ON APR 2	0.2378 ON MAR 15	88 800	1958
1959	---	8.238 ON APR 5	0.106 ON AUG 27	30 200	1959
1960	---	55.5 ON MAR 28	0.2838 ON MAR 1	48 400	1960
1961	---	8.148 ON MAR 13	0.4258 ON MAR 10	45 100	1961
1962	---	6.408 ON APR 4	0.088 ON OCT 18	28 700	1962
1963	---	9.488 ON MAR 22	0.258 ON MAY 11	31 800	1963
1964	---	4.80 ON MAY 3	0 ON OCT 2 *	40 800	1964
1965	---	48.1 B ON APR 16	0.3578 ON APR 4	84 500	1965
1966	---	35.4 B ON MAR 16	0.042 ON SEP 22	88 800	1966
1967	85.4 AT 15:00 CST ON APR 14	81.2 ON APR 14	0.343 ON OCT 14	128 000	1967
1968	---	8.37 ON APR 16	0.031 ON OCT 1	45 300	1968
1969	---	31.1 B ON APR 3	0.0798 ON MAR 12	56 400	1969
1970	---	38.5 ON APR 11	0.738 ON MAY 18	87 300	1970
1971	---	31.4 ON APR 6	0.3608 ON MAR 11	87 400	1971
1972	---	8.668 ON APR 3	0.330 ON SEP 17	40 800	1972
1973	---	4.11 ON APR 10	0.122 ON SEP 26	28 800	1973
1974	---	14.5 ON APR 12	0.338 ON MAY 6	28 700	1974
				58 800	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

SWIFT CURRENT CREEK BELOW REID LAKE - STATION NO. 05HD041

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1975	---	---	0.307	0.475	3.37	1.83	3.36	1.10	1.26	1.27	1.08	0.871	---	1975
1976	1.05	0.832	5.45	1.50	2.28	1.41	1.83	2.26	1.46	1.11	0.926	0.855	1.77	1976
1977	0.871	0.612	0.525	3.87	3.24	0.828	2.04	1.03	0.455	0.503	0.417	0.386	1.25	1977
1978	0.395	0.412	0.436	2.05	2.36	0.847	2.26	0.888	0.756	0.858	0.519	0.486	1.01	1978
1979	0.573	0.521	0.444	6.47	3.61	1.84	2.42	1.57	1.10	0.845	0.615	0.601	1.76	1979
1980	0.773	0.736	0.653	2.55	2.87	0.976	3.17	0.637	0.885	0.485	0.469	0.330	1.26	1980
1981	0.326	0.365	1.51	3.26	3.16	0.501	2.56	0.898	0.613	0.376	0.405	0.434	1.22	1981
1982	0.416	0.429	0.421	0.219	1.20	1.15	1.67	2.07	1.30	0.676	0.582	0.756	0.913	1982
1983	0.630	0.795	0.504	0.939	2.83	1.97	2 43	1.83	0.323	0.853	0.737	0.782	1.21	1983
1984	0.710	0.684	0.414	3.87	4.46	1.19	2.12	1.20	0.384	0.122	0.410	0.441	1.34	1984
1985	0.534	0.548	0.203	0.329	3.35	1.07	4.47	0.482	0.313	0.068	0.381	0.832	1.04	1985
1986	0.884	0.853	0.188	0.180	1.83	2.07 R	4.84 R	0.826R	0.591R	0.526R	0.699	0.645	1.15 R	1986
1987	0.735	0.586	0.645	0.495	4.50	2.42	3.16	0.502	0.673	0.411	0.385	0.346	1.24	1987
1988	0.484	0.426	0.862	3.30	2.86	0.380	0.446	0.463	0.287	0.089	0.110	0.208	0.832	1988
MEAN	0.652	0.615	0.811	2.09	2.98	1.32 R	2.64 R	1.13 R	0.741R	0.558R	0.588	0.590	1.23 R	MEAN

LOCATION - LAT 50 04 51 N DRAINAGE AREA, 2 470 km²
LONG 108 02 40 W REGULATED

R - REVISED SINCE JAN 01 1987

SWIFT CURRENT CREEK BELOW REID LAKE - STATION NO. 05HD041

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1975	9.94 AT 22:37 CST ON MAY 12	9.71 ON MAY 13	0 B ON MAR 21 *	---	1975
1976	29.3 AT 19:34 CST ON MAR 21 *	26.7 ON MAR 22 *	0.731 ON DEC 31	56 100	1976
1977	5.44 AT 08:56 CST ON MAY 11	5.41 ON MAY 10	0.320 ON AUG 16	39 400	1977
1978	5.44 AT 16:51 CST ON JUL 21	5.10 ON JUL 20	0.288 ON APR 9	31 800	1978
1979	20.8 AT 18:30 CST ON APR 21	20.7 ON APR 21	0.414 ON MAR 21	55 300	1979
1980	---	3.75 ON JUL 24	0.300 ON DEC 26	39 700	1980
1981	4.12 AT 17:48 CST ON JUL 18	3.84 ON JUL 13	0.309B ON JAN 16	38 500	1981
1982	---	3.70 ON JUL 30	0.095 ON APR 10	28 800	1982
1983	9.77 AT 16:48 CST ON MAY 11	7.86 ON MAY 12	0.204 ON SEP 14	38 000	1983
1984	5.81 AT 14:10 CST ON APR 27	5.46A ON APR 26	0.043 ON OCT 26	42 300	1984
1985	6.82 AT 21:48 CST ON JUL 12	5.97 ON JUL 5	0.002 ON MAR 15	32 900	1985
1986	12.5 AT 16:32 CST ON JUL 9	7.13R ON JUL 20	0.055 ON MAR 3	36 300R	1986
1987	5.46 AT 06:11 CST ON MAY 20	5.43 ON MAY 29	0.310 ON DEC 23	39 000	1987
1988	4.43 AT 15:41 CST ON APR 16	4.39 ON APR 16	0.073 ON NOV 22	26 300	1988
MEAN				38 600R	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD
R - REVISED SINCE JAN 01 1987

SWIFT CURRENT CREEK BELOW ROCK CREEK - STATION NO. 05HD036

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1955	---	---	2.26	20.0	3.16	0.855	2.76	0.301	0.110	0.395	---	---	---	1955
1956	---	---	2.85	3.22	1.22	0.559	0.280	0.094	0.169	0.331	---	---	---	1956
1957	---	---	4.34	3.65	1.01	0.410	0.071	0.008	0.075	0.175	---	---	---	1957
1958	---	---	2.24	10.8	0.835	0.061	0.221	0.010	0.038	0.313	---	---	---	1958
1959	---	---	3.80	2.38	0.862	0.891	0.458	0.030	0.055	0.495	---	---	---	1959
1960	---	---	8.33	1.60	0.840	0.346	0.076	0.007	0	0.042	---	---	---	1960
1961	---	---	2.55	0.389	0.618	0.180	0.002	0	0	0.054	---	---	---	1961
1962	---	---	3.24	2.68	0.520	0.634	0.782	0.080	0.026	0.286	---	---	---	1962
1963	---	---	5.81	1.70	0.677	0.767	0.380	0.066	0	0.030	---	---	---	1963
1964	---	---	1.00	2.23	1.06	0.830	0.307	0.014	0.414	0.316	---	---	---	1964
1965	---	---	0.170	15.5	2.30	0.822	0.877	0.648	0.830	0.480	---	---	---	1965
1966	---	---	8.40	2.65	1.15	0.605	0.404	0.311	0.088	0.267	---	---	---	1966
1967	---	---	4.05	15.3	7.16	0.756	0.082	0.010	0.085	0.224	---	---	---	1967
1968	---	---	2.24	1.16	0.710	0.362	0.114	0.076	0.135	0.250	---	---	---	1968
1969	---	---	3.24	8.76	1.41	0.247	2.09	0.123	0.012	0.511	---	---	---	1969
1970	---	---	2.00	16.8	2.18	0.628	0.286	0.053	0.015	0.176	---	---	---	1970
1971	---	---	1.24	10.2	1.49	0.413	0.102	0.004	0.007	0.116	---	---	---	1971
1972	---	---	4.71	1.10	0.833	0.467	0.071	0.011	0.031	0.220	---	---	---	1972
1973	---	---	1.83	1.17	0.748	0.725	0.077	0.005	0	0.123	---	---	---	1973
1974	---	---	1.06	4.38	2.37	0.621	0.522	0.200	0.156	0.242	---	---	---	1974
1975	---	---	0.464	8.03	5.11	0.864	0.120	0.274	0.457	0.776	---	---	---	1975
1976	---	0.841	5.70	2.81	0.806	1.28	0.201	0.021	0.001	0.054	---	---	---	1976
1977	---	---	1.12	1.43	0.618	0.126	0.090	0.018	0.023	0.224	---	---	---	1977
1978	---	---	3.87	3.88	1.21	0.410	0.114	0.048	0.083	0.259	0.287	0.213	---	1978
1979	0.198	0.162	4.39	6.71	2.53	0.494	0.195	0.080	0.021	0.158	0.157	0.133	1.27	1979
1980	0.184	0.150	0.843	1.47	0.320	0.215	0.187	0.083	0.077	0.225	0.303	0.082	0.389	1980
1981	0.487	1.52	1.11	0.804	0.387	1.11	0.127	0.016	0.005	0.084	0.189	0.106	0.488	1981
1982	0.028	0.037	2.88	5.70	1.88	3.22	1.05	0.181	0.053	0.411	0.246	0.184	1.80	1982
1983	0.242	1.11	2.33	2.88	1.44	0.206	0.481	0.037	0.002	0.126	0.303	0.146	0.745	1983
1984	0.102	0.307	0.834	0.934	0.382	0.173	0.012	0.002	0.003	0.101	0.217	0.128	0.284	1984
1985	0.087	0.051	1.40	8.01	0.931	0.168	0.000	0.001	0.159	0.384	0.206	0.126	0.987	1985
1986	0.589	3.40	4.41	0.926	1.78	0.266	0.257	0.116	0.566	0.747	0.644	0.333	1.18	1986
1987	1.07	2.16	3.12	2.60	0.379	0.136	1.17	0.665	0.201	0.266	0.425	0.302	1.03	1987
1988	0.151	0.368	1.62	0.888	0.238	0.139	0.058	0	0	0.034	0.158	0.139	0.308	1988
MEAN	0.308	0.903	2.96	4.98	1.43	0.609	0.418	0.105	0.120	0.282	0.276	0.226	0.808	MEAN

LOCATION - LAT 49 50 39 N DRAINAGE AREA, 1 430 km²
LONG 108 28 46 W NATURAL FLOW

REMARKS - GAUGE LOCATED IN NW07-11-16-W3 PRIOR TO 1975 AND PUBLISHED AS "SWIFTCURRENT CREEK AT HIGHWAY NO. 37"

SWIFT CURRENT CREEK BELOW ROCK CREEK - STATION NO. 05HD035

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1955	92.9 AT 15:30 MST ON APR 10 *	85.2 ON APR 10 *	0.025 ON SEP 7	---	1955
1956	12.0 B AT 16:50 MST ON MAR 26	11.6 B ON MAR 26	0 B ON MAR 1 *	---	1956
1957	---	26.5 B ON MAR 21	0 ON JUL 15	---	1957
1958	57.6 B AT 16:00 MST ON APR 1	52.1 B ON APR 2	0 ON AUG 24	---	1958
1959	10.3 AT 16:00 MST ON JUN 28	8.72 ON JUN 28	0 ON AUG 11	---	1959
1960	48.3 B AT 23:00 MST ON MAR 19	43.0 B ON MAR 20	0 ON AUG 17	---	1960
1961	9.468 AT 22:00 MST ON MAR 19	7.908 ON MAR 18	0 ON JUL 11	---	1961
1962	22.6 B AT 09:00 MST ON MAR 27	22.6 B ON MAR 27	0 ON JUL 10	---	1962
1963	---	21.2 B ON MAR 24	0 ON AUG 22	---	1963
1964	---	7.628 ON APR 4	0 ON AUG 9	---	1964
1965	61.4 AT 17:00 MST ON APR 14	57.8 ON APR 14	0.0148 ON MAR 21	---	1965
1966	---	31.7 B ON MAR 18	0 ON SEP 25	---	1966
1967	52.1 B AT 16:00 MST ON APR 11	45.3 B ON APR 10	0.003 ON SEP 4	---	1967
1968	6.898 AT 12:45 MST ON MAR 6	6.038 ON MAR 6	0.028 ON AUG 5	---	1968
1969	80.1 AT 01:07 MST ON APR 5	37.1 ON APR 5	0.008 ON SEP 14	---	1969
1970	42.5 B AT 02:41 MST ON APR 6	34.6 B ON APR 6	0.001 ON SEP 6	---	1970
1971	34.0 B AT 08:27 CST ON APR 6	30.9 B ON APR 7	0 ON AUG 20	---	1971
1972	19.6 B AT 08:10 CST ON MAR 19	18.5 B ON MAR 18	0 ON SEP 1	---	1972
1973	5.27 AT 08:15 CST ON MAR 26	3.17 ON MAR 26	0 ON AUG 27	---	1973
1974	11.9 B AT 02:45 CST ON APR 11	10.7 B ON APR 10	0.0285 ON MAR 1	---	1974
1975	34.3 AT 00:45 CST ON APR 25	30.9 ON APR 25	0.034 ON JUL 29	---	1975
1976	38.8 B AT 22:17 CST ON MAR 19	33.7 B ON MAR 19	0 ON AUG 27	---	1976
1977	3.948 AT 01:07 CST ON APR 6	3.319 ON APR 6	0 ON SEP 6	---	1977
1978	---	15.3 B ON MAR 31	0 ON AUG 16	---	1978
1979	23.7 B AT 21:06 CST ON APR 19	18.6 B ON APR 20	0.008 ON SEP 17	40 100	1979
1980	4.878 AT 22:07 CST ON MAR 20	3.488 ON MAR 20	0.021 ON AUG 5	12 300	1980
1981	7.328 AT 02:15 CST ON FEB 16	6.518 ON FEB 16	0.003 ON SEP 4	14 700	1981
1982	45.3 B AT 20:33 CST ON APR 13	36.2 B ON APR 14	0 ON SEP 6	50 300	1982
1983	20.4 AT 19:58 CST ON MAR 31	15.7 ON MAR 31	0 ON JUN 27	23 600	1983
1984	2.538 AT 08:20 CST ON MAR 25	2.338 ON MAR 26	0 ON JUL 13	6 330	1984
1985	22.0 B AT 22:02 CST ON APR 3	18.6 B ON APR 4	0 ON JUL 23	27 300	1985
1986	31.9 B AT 01:45 CST ON FEB 28	27.7 B ON FEB 28	0.005 ON SEP 2	36 300	1986
1987	23.8 AT 15:34 CST ON JUL 29	18.1 ON JUL 29	0 ON JUL 13	32 600	1987
1988	4.87 AT 22:48 CST ON JUN 29	2.328 ON MAR 24	0 ON AUG 5	6 750	1988
				25 600	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

SWIFT CURRENT CREEK NEAR LEINAN - STATION NO. 05HD039

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1973	---	---	1.03	0.946	0.404	0.385	0.195	0.252	0.388	0.364	0.278	0.488	---	1973
1974	0.122	0.164	0.159	0.87	2.02	0.985	0.606	1.10	1.02	1.37	0.947	0.453	1.54	1974
1975	0.217	0.088	0.255	5.36	4.18	1.57	1.06	1.38	1.38	1.69	1.02	0.697	1.57	1975
1976	0.627	0.657	11.5	3.88	1.23	2.45	1.26	1.69	1.70	1.63	1.06	0.851	2.37	1976
1977	0.758	1.10	0.650	0.487	1.21	0.429	0.578	0.351	0.446	0.678	0.336	0.221	0.635	1977
1978	0.138	0.186	2.04	2.37	0.901	0.950	0.395	0.483	0.651	0.782	0.565	0.403	0.796	1978
1979	0.076	0.072	3.84	7.03	2.87	1.04	0.822	1.05	1.28	1.32	0.770	0.561	1.71	1979
1980	0.502	0.533	2.66	1.17	0.318	0.208	0.848	0.518	0.551	0.789	0.511	0.784	0.793	1980
1981	0.788	2.08	0.878	0.819	0.266	0.985	0.854	0.467	0.442	0.529	0.519	0.393	0.881	1981
1982	0.193	0.281	5.29	5.58	0.982	1.36	2.61	1.41	1.38	1.18	0.940	0.643	1.82	1982
1983	0.711	1.23	2.40	2.98	2.81	0.958	1.17	1.38	0.812	0.883	0.823	0.788	1.38	1983
1984	0.428	0.778	1.29	0.843	0.581	0.825	0.196	0.404	0.458	0.318	0.412	0.288	0.545	1984
1985	0.138	0.136	2.88	1.48	0.610	0.288	0.147	0.220	0.275	0.268	0.123	0.036	0.623	1985
1986	0.486	2.06	1.40	0.481	0.787	0.264	0.322	0.278	0.350	0.825	0.416	0.300	0.825	1986
1987	0.492	0.855	0.731	0.444	0.847	0.388	0.458	0.504	0.443	0.431	0.426	0.382	0.548	1987
1988	0.072	0.756	0.486	0.412	0.172	0.155	0.023	0.067	0.105	0.109	0.127	0.105	0.170	1988
MEAN	0.380	0.702	2.34	2.78	1.26	0.742	0.688	0.721	0.727	0.818	0.574	0.480	1.06	MEAN

LOCATION - LAT 50 29 35 N DRAINAGE AREA, 3 730 km^2
LONG 107 39 31 W REGULATED

SWIFT CURRENT CREEK NEAR LEINAN - STATION NO. 05HD039

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1973	---	2.28 ON APR 30	---	---	1973
1974	---	32.6 B ON APR 15	0.0278 ON MAR 18	48 700	1974
1975	---	34.0 B ON APR 22	0.0828 ON JAN 30	48 500	1975
1976	---	63.1 B ON MAR 24 *	0.5108 ON MAR 2	76 000	1976
1977	6.16 AT 21:25 CST ON MAY 27	2.80 ON MAY 20	0.153 ON JUN 14	20 000	1977
1978	---	6.378 ON MAR 30	0.1168 ON JAN 20	25 100	1978
1979	25.7 B AT 17:56 CST ON APR 19	27.6 B ON APR 18	0.0058 ON FEB 22	64 000	1979
1980	8.228 AT 05:08 CST ON MAR 21	8.448 ON MAR 21	0.056 ON JUN 2	25 100	1980
1981	42.5 AT 15:48 CST ON JUL 16	10.0 B ON FEB 16	0.0318 ON JAN 16	21 800	1981
1982	42.7 B AT 20:57 CST ON APR 13	30.2 B ON MAR 17	0.0028 ON JAN 16 *	57 400	1982
1983	50.8 AT 18:14 CST ON JUL 20 *	18.9 B ON APR 1	0.1708 ON DEC 29	43 700	1983
1984	6.008 AT 15:24 CST ON MAR 24	5.348 ON MAR 24	0.007 ON JUL 22	17 300	1984
1985	12.2 B AT 15:18 CST ON MAR 17	7.538 ON MAR 18	0.0048 ON DEC 7	18 800	1985
1986	53.5 B AT 15:04 CST ON FEB 27	26.4 B ON FEB 27	0.0348 ON JAN 6	19 700	1986
1987	2.128 AT 09:41 CST ON MAR 6	1.668 ON MAR 6	0.043 ON JUL 15	17 200	1987
1988	1.558 AT 12:11 CST ON APR 6	1.148 ON APR 6	0.003 ON JUL 17	6 390	1988
				33 100	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

SWIFT CURRENT CREEK NEAR SWIFT CURRENT - STATION NO. 05HD038

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1914	0.034	0.032	3.41	6.07	1.22	0.793	E.286	0.015	E.847	1.24	0.873	0.324	1.24	1914
1915	0.173	0.107	2.98	5.76	2.02	2.44	2.27	0.642	0.830	1.11	0.736	0.302	1.84	1915
1916	0.195	0.386	23.4	6.31	3.35	3.56	7.51	1.76	1.25	1.43	0.256	0.276	4.33	1916
1917	0.251	0.063	0.067	36.2	10.2	2.42	1.43	0.797	1.86	1.55	1.30	0.246	4.84	1917
1918	0.087	0.383	25.8	7.17	1.85	0.856	0.367	0.236	0.192	1.40	0.610	0.265	3.55	1918
1919	0.152	0.346	0.518	5.18	1.82	0.322	0.088	0.088	0.185	0.415	0.851	0.179	0.818	1919
1920	0.001	0	7.10	8.30	2.98	1.42	0.824	0.128	0.288	E.882	0.578	0.249	1.97	1920
1921	0.154	1.39	4.18	5.22	2.24	0.872	0.463	0.248	0.487	E.933	0.616	0.806	1.42	1921
1922	0.130	0.043	4.73	19.8	3.14	1.09	0.727	E.858	0.354	E.410	0.482	0.383	2.84	1922
1923	0.223	0.114	1.87	6.46	1.81	6.70	1.84	0.582	0.284	E.545	0.548	0.387	1.91	1923
1924	0.178	0.412	0.330	3.14	1.15	1.13	0.422	0.658	0.184	E.715	0.505	0.410	0.783	1924
1925	0.113	0.387	18.4	12.2	1.82	1.42	0.336	0.206	0.402	E.888	0.628	0.185	3.18	1925
1926	0.142	0.224	16.1	2.26	1.16	0.718	0.287	0.134	0.413	E.886	0.312	0.110	1.80	1926
MEAN	0.135	0.289	8.89	10.1	2.83	1.83	1.28	0.482	0.881	0.880	0.615	0.304	2.32	MEAN

LOCATION - LAT 50 14 30 N DRAINAGE AREA, 3 160 km²
LONG 107 48 00 W NATURAL FLOW

SWIFT CURRENT CREEK NEAR SWIFT CURRENT - STATION NO. 05HD038

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1914	---	11.0 E ON APR 8	0 B ON FEB 8 *	39 000	1914
1915	---	28.0 E ON APR 5	0 B ON MAR 15	61 700	1915
1916	---	88.1 ON MAR 12	0.0068 ON FEB 2	137 000	1916
1917	---	183 E ON APR 11 *	0.0148 ON FEB 20	153 000	1917
1918	---	114 B ON MAR 18	0.0518 ON JAN 18	112 000	1918
1919	---	17.0 B ON APR 8	0 ON JUL 30	25 800	1919
1920	---	21.0 B ON MAR 28	0 B ON JAN 1	62 200	1920
1921	---	12.5 ON APR 18	0.0488 ON DEC 26	44 800	1921
1922	---	82.3 B ON APR 4	0.0288 ON FEB 19	83 400	1922
1923	---	34.0 E ON JUN 20	0.0288 ON FEB 14	60 200	1923
1924	---	8.078 ON APR 13	0.0878 ON JAN 18	24 800	1924
1925	---	122 B ON MAR 27	0.0848 ON FEB 1	100 000	1925
1926	---	41.8 B ON MAR 18	0.0038 ON AUG 1	58 800	1926
				73 400	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD
E - ESTIMATED

SWIFT CURRENT CREEK NEAR SWIFT CURRENT (LOWER STATION) - STATION NO. 05HD008

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1913	---	---	---	---	---	1.80	1.37	0.340	0.215	0.475	---	0.305	---	1913
1914	0.051	0.088	2.87	6.48	1.17	0.833	0.183	0.021	0.577	1.00	0.807	0.305	1.18	1914
1915	0.148	0.087	3.34	5.54	2.04	2.07	2.40	0.745	0.588	0.885	0.817	0.328	1.85	1915
1916	0.120	0.284	17.3	7.31	2.87	3.15	5.23	1.30	0.781	1.31	0.488	0.238	3.40	1916
MEAN	0.108	0.147	7.84	6.77	2.08	1.89	2.30	0.602	0.535	0.913	0.884	0.319	2.08	MEAN

LOCATION - LAT 50 15 50 N DRAINAGE AREA, 3 230 km²
LONG 107 47 18 W REGULATED

SWIFT CURRENT CREEK NEAR SWIFT CURRENT (LOWER STATION) - STATION NO. 05HD008

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1913	---	---	---	---	1913
1914	---	10.0 ON APR 8	0.002 ON AUG 21 *	37 100	1914
1915	---	38.0 ON APR 5	0.0858 ON FEB 1	82 100	1915
1916	---	82.9 ON MAR 12 *	0.0488 ON JAN 25	108 000	1916
				86 700	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

SWIFT CURRENT CREEK NEAR THE MOUTH - STATION NO. 05MD037

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1965	---	---	---	---	4.36	0.877	0.854	0.844	0.857	2.09	---	---	---	1965
1966	---	---	15.9	5.40	2.44	1.36	0.728	0.781	0.648	1.71	---	---	3.86	1966
1967	---	---	1.26	31.1	9.58	1.81	0.540	0.401	0.800	0.837	---	---	5.72	1967
1968	---	---	4.06	1.79	1.95	1.13	0.831	0.855	0.895	2.62	---	---	1.79	1968
1969	---	---	0.495	21.1	1.58	1.06	1.69	1.40	2.00	1.45	---	---	3.79	1969
1970	---	---	4.90	27.2	2.12	3.48	2.26	1.48	2.04	2.13	---	---	5.84	1970
1971	---	---	1.40	23.7	2.82	2.70	2.10	1.55	1.80	2.15	---	---	4.70	1971
1972	---	---	3.07	2.11	1.24	0.711	0.464	0.383	0.448	0.958	---	---	1.17	1972
MEAN	---	---	4.45	16.1	3.24	1.80	1.19	0.947	1.22	1.78	---	---	3.78	MEAN

LOCATION - LAT 50 38 08 N DRAINAGE AREA, 3 910 km²
LONG 107 43 22 W REGULATED SINCE 1942

SWIFT CURRENT CREEK NEAR THE MOUTH - STATION NO. 05MD037

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1965	---	---	---	---	1965
1966	---	37.48 ON MAR 20	0.418 ON JUL 24	77 500	1966
1967	---	89.1 ON APR 14	0.188 ON AUG 29 *	121 000	1967
1968	---	13.69 ON MAR 2	0.340 ON OCT 8	37 500	1968
1969	---	119 B ON APR 5 *	0.1868 ON MAR 1	80 200	1969
1970	---	99.38 ON APR 7	0.2838 ON MAR 1	118 000	1970
1971	95.48 AT 12:00 CST ON APR 8 *	82.18 ON APR 8	0.4259 ON MAR 1	88 500	1971
1972	---	23.38 ON MAR 18	0.311 ON SEP 4	24 000	1972
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		80 000	MEAN

TATAGWA LAKE DRAIN NEAR WEYBURN - STATION NO. 05NB018

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1980	---	---	B	0.582	0.188	0.030	0	0	0	0	---	---	0.090	1980
1981	---	---	0.001	0	0	0	0	0	0	0	---	---	0	1981
1982	---	---	0.002	0.003	0	0	0	0	0	0	---	---	0.001	1982
1983	---	---	0	0	0	0	0	0	0	0	---	---	0	1983
1984	---	---	0	0	0	0	0	0	0	0	---	---	0	1984
1985	---	---	B	0.004	0.032	0.207	0.080	0.025	0.047	0.030	---	---	0.053	1985
1986	---	---	0.013	0.118	0.082	0.017	0.008	0	0	0	---	---	0.025	1986
1987	---	---	0	0.028	0.048	0.020	0.003	0	0	0	---	---	0.012	1987
1988	---	---	B.003	0	0	0	0	0	0	0	---	---	0	1988
1989	---	---	0	0.619	1.18	0.306	0.247	0.264	0.088	0.033	---	---	0.288	1989
1990	---	---	0	0.133	1.86	1.35	0.882	0.044	0.017	0.014	---	---	0.526	1990
1991	---	---	0	0.848	0.340	0.014	0.008	0.002	0	0	---	---	0.162	1991
1992	---	---	0.003	0.218	0.078	0.028	0.002	0	0	0	---	---	0.041	1992
1993	---	---	0.001	0.001	0.005	0.001	0	0	0	0	---	---	0.001	1993
1994	---	---	0	1.07	2.16	0.298	0.040	0.018	0.013	0.011	---	---	0.450	1994
1995	---	---	0	0.048	3.31	1.08	0.084	0.014	0.018	0.017	---	---	0.868	1995
1996	---	---	0.007	3.41	1.88	1.04	0.878	0.394	0.138	0.086	0.125	0	0.884	1996
1997	---	---	0	0.048	0.050	0.010	0	0	0	0	---	---	0.014	1997
1998	---	---	0	0.181	0.088	0.057	0.188	0.188	0.124	0.080	0.082	0.007	0.118	1998
1999	---	---	0	0.482	3.88	2.08	0.488	0.138	0.045	0.017	---	---	0.881	1999
2000	---	---	0.003	0.148	0.048	0	0	0	0	0	---	---	0.024	2000
2001	---	---	0.001	0	0	0	0	0	0	0	---	---	0	2001
2002	---	---	0	0.540	0.892	0.127	0.031	0.010	0.001	0.005	---	---	0.200	2002
2003	---	---	0	0.880	0.848	0.120	0.028	0.024	0.008	0	---	---	0.223	2003
2004	---	---	0.017	0.001	0	0	0	0	0	0	---	---	0.002	2004
2005	---	---	0.024	0.008	0	0	0	0	0	0	---	---	0.004	2005
2006	---	---	0.018	0	0	0	0.007	0	0	0	---	---	0.003	2006
2007	---	---	0	0.002	0	0	0	0	0	0	---	---	0	2007
2008	---	---	0	0	0	0	0	0	0	0	---	---	0	2008
MEAN	---	---	0.003	0.347	0.598	0.233	0.085	0.039	B.018	B.010	0.080	0.004	0.167	MEAN

LOCATION - LAT 49 35 58 N DRAINAGE AREA, 240 km²
LONG 103 58 50 W REGULATED

TATAGWA LAKE DRAIN NEAR WEYBURN - STATION NO. 05NB015

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1960	---	1.13 E ON APR 8	0 ON MAR 1 *	2 080	1960
1961	---	0.0148 ON MAR 22	0 ON MAR 1	3.72	1961
1962	---	0.0238 ON APR 1	0 ON MAR 1	12.9	1962
1963	---	0 ON MAR 1	0 ON MAR 1	0	1963
1964	---	0 ON MAR 1	0 ON MAR 1	0	1964
1965	---	0.306 ON JUN 8	0 ON MAR 1	1 120	1965
1966	---	0.248 ON MAY 6	0 ON MAR 1	820	1966
1967	---	0.091 ON MAY 8	0 ON MAR 1	255	1967
1968	---	0.0153 ON MAR 7	0 ON MAR 1	6.63	1968
1969	---	1.70 ON APR 21	0 ON MAR 1	7 780	1969
1970	---	2.58 ON MAY 10	0 ON MAR 1	11 200	1970
1971	---	1.58 ON APR 10	0 ON MAR 1	3 430	1971
1972	0.283 AT 10:32 CST ON APR 8	0.283E ON APR 3	0 ON MAR 1	458	1972
1973	---	0.008E ON APR 1	0 ON MAR 1	20.6	1973
1974	3.60 AT 00:30 CST ON APR 28	3.57 ON APR 29	0 ON MAR 1	8 530	1974
1975	4.13 AT 17:51 CST ON MAY 2	4.13 A ON MAY 1	0 ON MAR 1	13 700	1975
1976	5.01 AT 12:00 CST ON APR 14 *	4.93 ON APR 14 *	0 ON MAR 1	20 600	1976
1977	0.178 AT 04:15 CST ON MAY 10	0.106 ON MAY 10	0 ON MAR 1	268	1977
1978	0.7938 AT 10:00 CST ON APR 11	0.7938 ON APR 11	0 ON MAR 1	2 440	1978
1979	4.33 AT 23:15 CST ON MAY 17	4.24 ON MAY 17	0 ON MAR 1	16 900	1979
1980	0.4838 AT 11:28 CST ON APR 8	0.3388 ON APR 8	0 ON MAR 1	516	1980
1981	0.025E AT 00:45 CST ON MAR 14	0.015E ON MAR 14	0 ON MAR 1	1.72	1981
1982	2.61 AT 14:23 CST ON APR 26	2.42 ON APR 27	0 ON MAR 1	4 240	1982
1983	2.03 AT 10:47 CST ON APR 26	1.93 ON APR 26	0 ON MAR 1	4 710	1983
1984	0.195E AT 10:02 CST ON MAR 19	0.138E ON MAR 20	0 ON MAR 1	46.6	1984
1985	---	0.100E ON MAR 27	0 ON MAR 1	79.4	1985
1986	0.342 AT 04:50 CST ON JUL 17	0.176 ON JUL 17	0 ON MAR 28	83.2	1986
1987	0.009E AT 05:32 CST ON APR 2	0.009E ON APR 2	0 ON MAR 1	5.53	1987
1988	---	0 ON MAR 1	0 ON MAR 1	0	1988
				3 540	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
E - ESTIMATED
B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

YAZIN RIVER ABOVE TESELJIRI FALLS - STATION NO. 07QC001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1936	---	---	---	---	---	---	---	---	---	---	83.6	71.1	---	1936
1937	66.9	46.6	33.9	---	---	---	---	---	---	---	---	---	---	1937
1938	---	---	---	17.9	46.1	77.1	---	---	8.14	11.1	12.5	---	---	1938
MEAN	66.9	46.6	33.9	17.9	46.1	77.1	---	---	8.14	11.1	48.3	71.1	---	MEAN

LOCATION - LAT 58 50 00 N, LONG 103 37 00 W
DRAINAGE AREA, 10 400 km^2
NATURAL FLOW

TEARING RIVER NEAR CUMBERLAND HOUSE - STATION NO. 05KH012

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1954	---	---	---	---	---	---	589	383	690	330	---	---	---	1954
1955	---	---	---	---	---	489	379	228	---	---	---	---	---	1955
1956	---	---	---	---	---	341	269	204	---	---	---	---	---	1956
1957	---	---	---	---	---	248	152	89.3	84.1	---	---	---	---	1957
1958	---	---	---	---	218	269	242	149	89.4	---	---	---	---	1958
1959	---	---	---	---	---	184	360	167	89.2	72.0	---	---	---	1959
1960	---	---	---	---	---	186	212	139	60.7	10.3	---	---	---	1960
1961	---	---	61.6	123	107	228	158	86.7	40.2	6.88	---	---	---	1961
1962	---	---	6.20	114	184	122	131	108	21.1	1.21	1.03	6.89	---	1962
1963	86.8	112	120	147	133	136	211	101	84.8	36.6	14.0	33.0	108	1963
1964	95.8	110	124	139	134	175	288	110	41.6	74.5	41.8	38.2	124	1964
1965	78.2	99.1	134	186	230	228	---	446	141	131	93.1	105	---	1965
1966	122	112	142	265	180	204	201	186	88.8	8.14	8.38	15.8	130	1966
1967	86.8	117	125	186	161	184	186	84.0	18.4	8.14	3.18	88.7	88.8	1967
1968	132	78.8	104	123	41.4	28.1	80.8	80.8	38.8	11.5	24.1	77.3	84.5	1968
1969	142	186	144	183	198	86.5	270	183	77.0	88.2	48.3	80.1	132	1969
1970	211	218	118	112	228	186	185	132	46.6	13.8	33.7	118	128	1970
1971	172	186	181	201	178	120	140	128	38.6	7.51	48.7	130	123	1971
1972	183	180	178	---	218	142	242	173	78.3	78.8	74.1	112	---	1972
1973	189	187	184	186	148	185	143	83.8	86.6	32.6	88.7	81.4	127	1973
1974	184	183	187	278	883	414	232	138	134	103	87.4	112	236	1974
1975	---	---	184	186	---	---	148	88.6	18.8	13.8	38.8	114	---	1975
MEAN	131	144	132	186	208	206	235	188	88.7	84.8	38.8	78.3	128	MEAN

LOCATION - LAT 53 57 00 N, LONG 102 11 00 W
NATURAL FLOW

TEARING RIVER NEAR CUMBERLAND HOUSE - STATION NO. 05KH012

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1954	---	---	---	---	1954
1955	---	---	---	---	1955
1956	---	---	---	---	1956
1957	---	---	---	---	1957
1958	---	---	---	---	1958
1959	---	484 ON JUL 14	---	---	1959
1960	---	283 ON JUL 20	---	---	1960
1961	---	323 ON JUN 23	1.55 ON OCT 19	---	1961
1962	---	300 ON APR 30	0 ON OCT 24 *	---	1962
1963	---	276 ON JUL 22	2.83 ON NOV 17	3 300 000	1963
1964	---	515 ON JUL 6	5.44 ON NOV 19	3 810 000	1964
1965	---	---	56.6 E ON JAN 1	---	1965
1966	---	391 ON JUL 21	2.17 ON OCT 10	4 100 000	1966
1967	---	297 ON MAY 6	1.20 ON OCT 23	2 810 000	1967
1968	---	143 ON JAN 17	1.46 ON OCT 15	2 040 000	1968
1969	---	430 ON JUL 22	3.85 ON NOV 11	4 190 000	1969
1970	---	433 ON MAY 6	2.43 ON SEP 27	3 830 000	1970
1971	---	297 ON APR 23	3.17 ON OCT 6	3 690 000	1971
1972	---	---	30.6 ON NOV 28	---	1972
1973	---	288 ON JUN 16	3.57 ON NOV 6	3 890 000	1973
1974	---	858 ON MAY 7 *	35.7 ON NOV 19	7 080 000	1974
1975	---	---	3.57 ON SEP 2	---	1975
MEAN				3 920 000	MEAN

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

E - ESTIMATED

TENAILLE DITCH NEAR KLINTONEL - STATION NO. 11AC048

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1912	---	---	0	0	0	0	0	0	0	0	---	---	0	1912
MEAN	---	---	0	0	0	0	0	0	0	0	---	---	0	MEAN

LOCATION - LAT 49 39 10 N
LONG 108 55 20 W REGULATED

REMARKS - NO WATER WAS DIVERTED FROM 1912-22

TENAILLE DITCH NEAR KLINTONEL - STATION NO. 11AC048

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1912	---	0 ON MAR 1 *	0 ON MAR 1 *	0	1912
MEAN				0	MEAN

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

TENMILE CREEK NEAR TENMILE POLICE DETACHMENT - STATION NO. 11AB004

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1909	---	---	---	---	---	---	---	0.008	0.008	0.008	---	---	---	1909
1911	---	---	---	---	---	0.008	0.008	0.008	0.082	---	---	---	---	1911
1912	---	---	---	---	0.022	0.008	0.008	0.008	0.008	0.007	---	---	---	1912
1913	---	---	---	0.150	0.027	0.015	0.014	0.008	0.007	0.007	---	---	---	1913
1914	---	---	---	0.091	0.011	0.007	0.004	0.004	0.008	0.004	---	---	---	1914
1915	---	---	---	0.175	---	---	---	---	---	---	---	---	---	1915
MEAN	---	---	---	0.139	0.020	0.010	0.007	0.008	0.024	0.007	---	---	---	MEAN

LOCATION - LAT 49 26 00 N DRAINAGE AREA, 79.8 km^2
LONG 109 51 00 W NATURAL FLOW

TENMILE CREEK NEAR TENMILE POLICE DETACHMENT - STATION NO. 11AB004

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1909	---	---	---	---	1909
1911	---	---	0 ON AUG 15 *	---	1911
1912	---	---	---	---	1912
1913	---	---	---	---	1913
1914	---	---	---	---	1914
1915	---	---	---	---	1915
MEAN				---	MEAN

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

THUNDER CREEK AT MOOSE JAW - STATION NO. 05JG003

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1935	---	---	---	---	---	---	---	---	0	0	---	---	---	1935
1936	---	---	---	0.525	0.301	---	---	---	---	---	---	---	---	1936
MEAN	---	---	---	0.525	0.301	---	---	---	0	0	---	---	---	MEAN

LOCATION - LAT 50 23 12 N DRAINAGE AREA, 3 550 km²
LONG 105 37 33 W NATURAL FLOW

THUNDER CREEK AT MOOSE JAW - STATION NO. 05JG003

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1936	---	---	0 ON SEP 1 *	---	1935
1936	---	---	0E ON APR 5	---	1936
			* - EXTREME RECORDED FOR THE PERIOD OF RECORD	---	MEAN

E - ESTIMATED

THUNDER CREEK NEAR DARMODY - STATION NO. 05JG012

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1969	---	---	0	0.472	0.001	0	0.003	0.005	0	0	---	---	0.059	1969
1970	---	---	0.318	2.36	0.883	0.887	0.138	0.005	0.055	0	---	---	0.506	1970
1971	---	---	0	1.01	0.178	0.008	0	0	0	0.011	---	---	0.148	1971
1972	---	---	0.050	0.006	0.021	0.002	0	0.080	0	0	---	---	0.023	1972
1973	---	---	0.105	0.030	0.018	0.003	0	0.007	0.003	0	---	---	0.021	1973
1974	---	---	0	2.82	1.82	0.530	0	0.011	0	0.001	---	---	0.530	1974
1975	---	---	0	1.33	0.933	0.071	0.014	0.018	0	0.118	---	---	0.306	1975
1976	---	---	1.08	3.00	0.180	0.007	0.035	0.261	0	0	---	---	0.588	1976
1977	---	---	0.050	0.114	0.008	0.001	0	0	0	0	---	---	0.023	1977
1978	---	---	0.127	0.087	0.001	0	0	0	0	0	---	---	0.027	1978
1979	---	---	0.218	0.238	0.005	0	0	0	0	0	---	---	0.067	1979
1980	---	---	0.110	0.097	0	0	0	0	0	0	---	---	0.033	1980
1981	---	0.010	0.001	0	0	0	0	0	0	0	---	---	0	1981
1982	---	---	0.004	1.97	0.068	0.023	0	0	0	0	---	---	0.288	1982
1983	---	0.004	0.187	0.024	0	0	0.004	0	0	0	---	---	0.035	1983
1984	---	---	0.078	0.002	0	0	0	0	0	0	---	---	0.010	1984
1985	---	---	0.497	0.195	0	0	0	0	0	0	---	---	0.087	1985
1986	---	0.050	0.072	0	0.003	0	0.002	0	0.001	0	---	---	0.010	1985
1987	---	0.003	0.121	0.043	0	0	0	0	0	0	---	---	0.021	1987
1988	---	---	0	0	0	0	0	0	0	0	---	---	0	1988
MEAN	---	0.010	0.161	0.694	0.188	0.080	0.014	0.021	0.003	0.007	---	---	0.141	MEAN

LOCATION - LAT 50 39 33 N DRAINAGE AREA, 898 km²
LONG 105 16 45 W REGULATED SINCE 1982

THUNDER CREEK NEAR DARMODY - STATION NO. 05JG012

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1969	---	4.08 A ON APR 9	0B ON MAR 1 *	1 240	1969
1970	8.77 AT 11:42 CST ON APR 7	8.03 ON APR 7	0B ON MAR 1	10 700	1970
1971	4.33 AT 04:30 CST ON APR 8	3.84 ON APR 8	0B ON MAR 1	3 140	1971
1972	0.8288 AT 00:17 CST ON MAR 16	0.3838 ON MAR 16	0B ON MAR 1	468	1972
1973	0.840 AT 14:32 CST ON MAR 13	0.428 ON MAR 13	0B ON MAR 1	435	1973
1974	36.8 B AT 08:04 CST ON APR 10 *	31.4 B ON APR 10 *	0B ON MAR 1	13 300	1974
1975	3.67 AT 21:38 CST ON APR 14	2.83 ON APR 15	0B ON MAR 1	6 510	1975
1976	8.03 AT 18:32 CST ON APR 8	5.60 ON APR 8	0B ON MAR 1	12 000	1976
1977	2.18 AT 01:36 CST ON MAY 25	1.31 ON MAY 26	0B ON MAR 1	889	1977
1978	1.98 AT 18:27 CST ON MAR 26	0.887 ON MAR 26	0B ON MAR 1	568	1978
1979	1.76 AT 17:26 CST ON MAR 20	1.19 ON MAR 20	0B ON MAR 1	1 210	1979
1980	M.852 AT 00:04 CST ON MAR 31	0.608 ON MAR 31	0B ON MAR 1	488	1980
1981	---	0.0039 ON MAR 1	0B ON MAR 15	1.84	1981
1982	21.3 AT 15:33 CST ON APR 14	19.7 B ON APR 14	0B ON MAR 1	5 420	1982
1983	2.15 AT 18:06 CST ON JUL 21	1.50 ON JUL 21	0B ON MAR 5	763	1983
1984	0.8518 AT 00:26 CST ON MAR 21	0.2878 ON MAR 21	0B ON MAR 10	215	1984
1985	3.72 AT 13:56 CST ON MAR 18	2.16 ON MAR 18	0B ON MAR 1	1 640	1985
1986	---	0.5178 ON MAR 1	0 ON APR 1	208	1986
1987	0.7798 AT 20:56 CST ON MAR 26	0.486 ON APR 2	0B ON MAR 1	435	1987
1988	---	0 ON MAR 1	0 ON MAR 1	0	1988
			* - EXTREME RECORDED FOR THE PERIOD OF RECORD	2 980	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS

THYME HILL RIVER BELOW MACKENZIE LAKE - STATION NO. 06DB003

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1978	---	---	---	---	21.5	22.8	11.3	8.58	13.8	12.8	8.46	5.05	---	1978
1979	3.47	2.49	1.99	1.88	8.61	16.9	15.4	9.40	8.80	12.9	10.1	5.63	8.15	1979
1980	3.25	2.35	2.17	4.18	10.7	5.67	8.25	17.6	16.2	16.7	11.9	6.61	8.84	1980
1981	4.83	3.77	3.02	2.84	16.8	16.3	9.80	5.40	3.30	3.31	3.80	3.27	6.71	1981
1982	2.40	1.83	1.58	1.52	14.3	14.5	9.80	7.55	8.49	8.83	4.71	3.61	8.42	1982
1983	2.83	2.41	2.21	2.43	7.98	20.6	14.1	20.1	39.6	25.8	15.4	9.35	13.8	1983
1984	5.48	4.18	3.33	8.90	21.7	14.4	8.48	8.02	4.11	4.05	4.97	4.50	7.52	1984
1985	3.28	2.78	2.72	3.10	38.8	17.2	8.12	5.77	22.2	16.0	11.0	6.16	11.8	1985
1986	4.18	3.81	2.83	3.51	46.2	38.9	19.1	15.7	9.80	7.84	6.71	4.67	13.4	1986
1987	3.85	2.88	2.80	3.82	17.8	16.6	8.45	3.54	3.36	4.47	6.24	5.33	8.67	1987
1988	3.84	2.80	2.26	2.23	23.8	34.4	20.8	11.1	8.34	8.22	7.98	7.22	11.1	1988
MEAN	3.73	2.91	2.48	3.45	20.8	20.0	12.2	10.2	12.4	10.8	8.28	5.89	9.38	MEAN

LOCATION - LAT 57 48 10 N LONG 102 43 50 W DRAINAGE AREA, 1 300 km² NATURAL FLOW

THYME HILL RIVER BELOW MACKENZIE LAKE - STATION NO. 06DB003

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1978	31.3 AT 18:10 CST ON MAY 30	31.2R ON MAY 30	---	---	1978
1979	24.4 AT 04:54 CST ON JUN 5	24.2 ON JUN 5	1.88 ON APR 10	297 000	1979
1980	20.7 AT 19:50 CST ON AUG 5	20.6 ON AUG 5	2.10 ON MAR 12	278 000	1980
1981	29.5 AT 16:50 CST ON MAY 21	29.3 ON MAY 21	2.74E ON APR 3	211 000	1981
1982	18.8A IN MAY	18.4 ON MAY 22	1.41 ON APR 7 *	202 000	1982
1983	55.0 AT 15:24 CST ON SEP 24	55.6 ON SEP 24	2.06 ON APR 17	428 000	1983
1984	28.2A AT 23:23 CST ON MAY 1	28.0A ON MAY 1	2.95 ON APR 5	238 000	1984
1985	62.4 AT 00:00 CST ON MAY 15	61.9 ON MAY 14	2.84 ON MAR 10	385 000	1985
1986	75.5 AT 16:00 CST ON MAY 28 *	75.3 ON MAY 28 *	2.77 ON MAR 26	424 000	1986
1987	20.9 AT 19:53 CST ON MAY 15	20.6 ON MAY 13	2.51 ON MAR 14	207 000	1987
1988	42.8 AT 21:06 CST ON JUN 10	42.6 ON JUN 10	2.11 ON APR 3	351 000	1988
				298 000	MEAN

A - MANUAL GAUGE [SEE REFERENCE INDEX] E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD R - REVISED SINCE JAN 01 1987

TORCH RIVER NEAR LOVE - STATION NO. 05KE002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1950	---	---	---	---	---	---	---	8.89	2.16	---	---	---	---	1950
1951	---	---	---	---	---	---	---	---	---	---	---	---	---	1951
1952	---	---	---	---	24.8	11.5	6.87	4.90	5.82	5.26	---	---	---	1952
1953	---	---	---	13.0	11.5	12.0	13.6	9.77	7.04	5.76	---	---	---	1953
1954	---	---	1.14	22.6	11.9	8.04	13.6	6.11	2.89	2.48	---	---	---	1954
	---	---	0.939	3.00	24.8	36.7	32.9	61.1	64.8	32.5	---	---	---	
1955	---	---	4.14	55.3	47.7	19.7	22.9	15.4	8.17	7.00	---	---	---	1955
1956	---	---	3.12	18.4	47.8	22.6	18.0	10.1	8.61	4.14	---	---	---	1956
1957	---	---	0	28.0	28.9	7.33	5.58	4.83	8.27	4.41	---	---	---	1957
1958	---	---	3.81	36.0	17.3	7.65	2.92	1.28	2.13	3.48	---	---	---	1958
1959	---	---	1.38	19.1	7.09	6.45	7.20	5.25	5.19	6.84	---	---	---	1959
1960	---	---	1.82	19.8	35.9	31.0	20.3	19.3	7.40	6.74	---	---	---	1960
1961	---	---	2.07	12.6	17.3	6.85	1.84	0.730	0.851	1.19	---	---	---	1961
1962	---	---	1.06	8.15	16.3	3.23	1.22	0.591	0.854	1.78	---	---	---	1962
1963	---	---	0.138	9.58	3.89	3.46	13.7	8.12	4.16	2.88	---	---	---	1963
1964	---	---	0.777	8.20	6.37	1.42	0.984	1.46	4.83	5.14	---	---	---	1964
1965	---	---	0.880	8.77	10.4	17.0	17.9	11.2	8.32	5.34	---	---	---	1965
1966	---	---	1.18	6.11	6.86	16.8	20.9	13.8	8.62	4.20	---	---	---	1966
1967	---	---	1.48	3.18	11.2	7.83	3.79	3.57	0.777	2.01	---	---	---	1967
1968	---	---	0.344	2.65	5.38	10.8	8.31	2.96	7.98	8.90	---	---	---	1968
1969	---	---	2.72	12.1	6.76	4.48	2.78	3.06	1.76	11.2	---	---	---	1969
1970	---	---	1.31	15.2	15.6	12.8	47.2	17.5	10.7	7.67	---	---	---	1970
1971	---	---	1.87	18.6	12.3	17.1	32.0	14.3	7.00	7.38	---	---	---	1971
1972	---	---	2.57	21.6	38.1	12.0	7.58	4.41	4.33	5.25	4.20	1.87	---	1972
1973	1.86	2.81	2.92	8.18	18.6	58.2	61.4	28.9	24.4	18.6	23.7	20.9	24.8	1973
1974	8.92	8.08	8.46	46.1	80.4	38.3	32.5	27.1	24.7	18.2	11.6	13.2	24.4	1974
1975	7.77	5.10	4.57	14.3	32.3	28.3	12.8	7.48	4.30	4.28	2.03	1.28	10.2	1975
1976	0.887	1.48	1.84	8.71	4.42	9.67	14.3	7.01	2.82	2.44	1.36	0.847	4.84	1976
1977	0.862	0.585	0.575	3.28	8.40	8.72	4.03	8.18	8.55	8.60	3.14	1.10	3.85	1977
1978	0.818	0.728	0.787	13.1	26.2	25.0	7.74	5.50	11.5	12.6	14.8	14.3	11.2	1978
1979	5.19	3.74	3.84	17.5	44.7	19.7	8.81	2.16	3.60	3.25	3.01	1.89	9.76	1979
1980	1.01	1.06	1.21	8.03	4.23	2.04	3.24	5.86	14.1	17.1	6.88	2.18	5.49	1980
1981	2.40	2.20	3.06	8.44	11.8	10.5	4.46	2.44	1.07	2.71	2.18	1.06	4.25	1981
1982	0.478	0.387	0.464	7.48	7.15	9.01	6.49	8.75	8.20	7.68	3.31	1.49	5.28	1982
1983	1.65	1.24	1.24	12.0	31.8	32.3	22.8	4.03	8.28	8.42	4.26	1.77	10.4	1983
1984	1.13	0.855	1.07	16.2	32.8	53.0	11.1	2.33	4.03	5.68	3.70	2.86	11.1	1984
1985	1.26	0.812	0.965	48.4	78.8	57.1	22.7	7.18	8.48	8.63	2.14	1.20	18.3	1985
1986	1.42	1.38	1.38	8.87	46.5	14.2	8.78	4.77	2.87	4.31	2.24	1.84	8.12	1986
1987	1.66	1.88	1.48	11.1	8.89	10.2	10.1	8.36	2.83	2.88	3.16	1.80	5.87	1987
1988	0.727	0.880	1.27	8.39	10.8	8.48	2.00	2.86	2.27	2.09	1.82	1.17	3.11	1988
MEAN	2.23	1.95	1.80	15.7	22.2	18.1	14.0	9.09	7.80	8.81	8.41	4.11	10.1	MEAN

LOCATION - LAT 53 35 15 N LONG 104 09 40 W DRAINAGE AREA, 4 880 km² REGULATED

TORCH RIVER NEAR LOVE - STATION NO. 05KE002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1950	---	---	---	---	1950
1951	---	105 ON MAY 2	---	---	1951
1952	---	32.3 ON MAY 7	---	---	1952
1953	---	43.0 ON APR 25	---	---	1953
1954	---	161 ON AUG 25	---	---	1954
1955	---	170 B ON APR 10 *	---	---	1955
1956	---	85.0E ON MAY 6	---	---	1956
1957	---	148 B ON APR 24	0 B ON MAR 1 *	---	1957
1958	---	56.1 ON APR 21	---	---	1958
1959	---	38.58 ON APR 14	---	---	1959
1960	---	71.8 ON MAY 26	---	---	1960
1961	80.1 AT 17:30 CST ON APR 24	39.4 ON APR 24	---	---	1961
1962	---	31.78 ON APR 23	---	---	1962
1963	---	35.4 ON JUL 20	---	---	1963
1964	---	18.68 ON APR 18	---	---	1964
1965	---	26.7 ON JUL 25	---	---	1965
1966	30.6 AT 13:00 CST ON JUL 23	29.2 ON JUL 23	---	---	1966
1967	---	18.38 ON MAY 1	---	---	1967
1968	21.8 AT 09:00 CST ON JUN 2	20.9 ON JUN 3	---	---	1968
1969	---	33.4 ON APR 15	---	---	1969
1970	100 AT 15:30 CST ON JUL 4	100 ON JUL 4	---	---	1970
1971	85.0B AT 12:20 CST ON APR 15	49.6 ON APR 19	---	---	1971
1972	131 AT 20:04 CST ON APR 27	117 ON APR 28	---	---	1972
1973	161 AT 15:16 CST ON JUN 11	150 ON JUN 11	0.5248 ON JAN 16	783 000	1973
1974	173 B AT 16:01 CST ON APR 19 *	126 ON APR 23	5.01 B ON MAR 26	768 000	1974
1975	48.3 AT 00:01 CST ON MAY 1	48.0 ON APR 30	0.9838 ON DEC 31	322 000	1975
1976	26.9 AT 04:26 CST ON JUL 17	26.6 ON JUL 17	0.5188 ON JAN 15	147 000	1976
1977	18.3 AT 19:53 CST ON MAY 30	18.0 ON MAY 30	0.5368 ON JAN 1	115 000	1977
1978	---	37.4 ON APR 30	0.2818 ON MAR 2	352 000	1978
1979	81.1 AT 23:27 CST ON MAY 20	80.4 ON MAY 20	0.3008 ON DEC 10	305 000	1979
1980	35.6B AT 15:53 CST ON APR 18	18.2 ON SEP 28	0.7988 ON JAN 31	173 000	1980
1981	18.3 AT 12:48 CST ON MAY 5	15.2 ON MAY 5	0.5018 ON DEC 21	137 000	1981
1982	---	20.6B ON APR 25	0.2408 ON FEB 2	168 000	1982
1983	50.9 AT 07:40 CST ON APR 25	48.2 ON APR 25	0.8879 ON DEC 20	326 000	1983
1984	78.7 AT 23:33 CST ON MAY 24	78.2 ON MAY 25	0.6818 ON FEB 16	350 000	1984
1985	143 AT 19:48 CST ON APR 23	138 ON APR 24	0.2738 ON FEB 6	608 000	1985
1986	82.3 AT 05:30 CST ON MAY 18	82.0 ON MAY 18	0.7588 ON JAN 15	255 000	1986
1987	---	16.0B ON APR 9	0.6078 ON DEC 26	178 000	1987
1988	---	14.1 ON MAY 1	0.4548 ON JAN 8	88 300	1988
				316 000	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

TURTLELAKE RIVER NEAR TURTLEFORD - STATION NO. 05EG005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1966	---	---	0.110	2.00	0.763	0.437	0.288	0.088	0.077	0.102	---	---	0.480	1966
1967	---	---	0	0.078	0.406	0.078	0.188	0.103	0.024	0.102	---	---	0.121	1967
1968	---	---	2.11	1.08	0.306	0.212	0.181	0.147	0.136	0.171	---	---	0.843	1968
1969	---	---	0.012	3.34	0.484	0.088	0.078	0.081	0.181	0.144	---	---	0.842	1969
1970	---	---	0.102	1.98	0.302	0.603	0.822	0.083	0.118	0.134	---	---	0.812	1970
1971	---	---	0.108	1.28	0.224	0.184	0.281	0.383	0.084	0.116	---	---	0.328	1971
1972	---	---	0.143	1.96	0.515	0.184	0.161	0.073	0.132	0.111	---	---	0.404	1972
1973	---	---	0.021	0.817	0.529	0.450	0.386	0.081	0.068	0.138	---	---	0.321	1973
1974	---	---	0.001	5.34	2.58	2.84	1.98	1.58	1.23	0.785	---	---	2.03	1974
1975	---	---	0.530	1.72	2.11	2.34	3.26	2.26	1.11	0.394	---	---	1.72	1975
1976	---	---	0.558	1.28	0.384	0.293	0.288	0.171	0.320	0.248	---	---	0.433	1976
1977	---	---	0	0.688	0.478	0.141	0.380	0.138	0.137	0.087	---	---	0.288	1977
1978	---	---	0.181	0.701	2.04	2.84	1.07	0.878	0.311	0.238	---	---	1.02	1978
1979	---	---	0.088	1.88	1.47	1.49	1.34	0.838	0.088	0.185	---	---	0.918	1979
1980	---	---	0.110	0.884	0.203	0.084	0.028	0.143	0.138	0.105	---	---	0.184	1980
1981	---	---	0.384	1.33	0.385	M.110	0.088	0.028	0.017	0.145	---	---	0.304	1981
1982	---	---	0.084	0.488	0.088	M.084	0.052	0.043	0.034	0.133	---	---	0.127	1982
1983	---	---	0.129	0.817	0.188	M.021	0.074	0.018	0.112	0.082	---	---	0.178	1983
1984	---	---	0.288	0.838	0.820	M.528	0.181	0.028	0.047	0.140	---	---	0.384	1984
1985	---	---	0.888	1.87	0.830	1.04	1.11	1.14	0.488	0.287	---	---	0.828	1985
1986	---	---	0.780	1.13	0.722	0.814	1.88	2.19	0.788	0.800	---	---	1.08	1986
1987	---	---	0.384	2.84	0.820	0.288	0.188	0.120	0.088	0.182	---	---	0.584	1987
1988	---	---	0.072	0.821	0.218	0.788	0.374	0.288	0.287	0.200	---	---	0.272	1988
MEAN	---	---	0.283	1.48	0.743	0.872	0.828	0.488	0.280	0.210	---	---	0.581	MEAN

LOCATION - LAT 53 22 37 N DRAINAGE AREA, 2 310 km^2
LONG 108 57 04 W NATURAL FLOW

TURTLELAKE RIVER NEAR TURTLEFORD - STATION NO. 05EG005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1966	---	5.07 B ON APR 7	0.040 ON AUG 25	10 200	1966
1967	---	0.620B ON MAY 2	0 B ON MAR 1 *	2 580	1967
1968	---	5.41 B ON MAR 28	0.028 ON AUG 18	11 500	1968
1969	---	16.5 B ON APR 12	0 B ON MAR 1	11 500	1969
1970	---	5.25 B ON APR 18	0 B ON APR 4	10 800	1970
1971	3.65B AT 03:44 CST ON APR 18	3.09 B ON APR 18	0.015 ON AUG 31	8 880	1971
1972	6.61B AT 17:47 CST ON APR 16	5.30 B ON APR 16	0 B ON MAR 1	8 550	1972
1973	1.80 AT 07:50 CST ON JUL 2	1.59 ON JUL 2	0 B ON MAR 1	5 800	1973
1974	28.0 AT 19:45 CST ON APR 19 *	20.2 ON APR 19 *	0 B ON MAR 1	42 900	1974
1975	---	5.06 B ON APR 25	0.252B ON OCT 29	35 300	1975
1976	---	2.21 B ON APR 5	0.005 ON JUL 27	8 170	1976
1977	---	4.02 B ON APR 10	0 B ON MAR 1	5 390	1977
1978	3.11 AT 20:09 CST ON JUN 23	2.89 ON JUN 23	0.028B ON MAR 1	21 600	1978
1979	7.89B AT 22:37 CST ON APR 25	6.72 B ON APR 26	0.009 ON SEP 4	19 400	1979
1980	2.10 AT 19:59 CST ON APR 19	1.80 ON APR 19	0.003 ON JUL 10	3 890	1980
1981	5.14B AT 10:59 CST ON APR 1	4.85 B ON APR 1	0.001 ON AUG 20	8 420	1981
1982	1.71 AT 04:28 CST ON JUN 19	1.34 B ON APR 15	0.003 ON AUG 11	2 690	1982
1983	2.00 AT 11:41 CST ON APR 19	1.39 ON APR 5	0.001 ON JUN 5	3 770	1983
1984	2.93 AT 11:43 CST ON MAY 17	2.27 ON APR 3	0.001 ON AUG 1	7 710	1984
1985	4.68B AT 01:56 CST ON APR 10	4.41 B ON APR 14	0.063B ON MAR 28	17 500	1985
1986	14.2 AT 08:38 CST ON JUL 30	12.3 ON JUL 30	0.031E ON JUN 6	22 400	1986
1987	10.7 B AT 04:25 CST ON APR 7	8.35 B ON APR 7	0.049 ON SEP 21	11 900	1987
1988	3.66 AT 04:36 CST ON MAY 31	2.82 ON JUN 2	0.008 ON AUG 1	7 870	1988
				12 500	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

UNNAMED CREEK NEAR CUTBANK - STATION NO. 05MF022

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1970	---	---	0.307	---	---	---	---	---	---	---	---	---	---	1970
1973	---	---	0.081	0.001	---	---	---	---	---	---	---	---	---	1973
1975	---	---	0	0.231	0.017	0	0	0	0	0	---	---	0.030	1975
1976	---	---	0. 14	0.598	0	0.504	0.002	0	0	0	---	---	0.163	1976
1977	---	---	0	0	0	0	0	0	0	0	---	---	0	1977
1978	---	---	0	0.008	0.002	0	0	0	0	0	---	---	0.001	1978
1979	---	---	0.014	0.345	0.029	0	0	0	0	0	---	---	0.048	1979
1980	---	---	0.072	0.038	0	0	0	0	0	0	---	---	0.014	1980
1981	---	0	0	0	0	0	0	0	0	0	---	---	0	1981
1982	---	0	0.028	0.285	0.005	0	0	0	0	0	---	---	0.039	1982
1983	---	---	0	0	0	0	0	0	0	0	---	---	0	1983
1984	---	---	0	0.012	0	0	0	0	0	0	---	---	0.001	1984
1985	---	---	0.358	0.138	0.028	0	0	0	0	0	---	---	0.066	1985
1986	---	0	0.081	0	0	0	0	0	0	0	---	---	0.008	1986
1987	---	---	0.071	0.072	0.010	0	0	0	0	0	---	---	0.019	1987
1988	---	---	0	0	0	0	0	0	0	0	---	---	0	1988
MEAN	---	0	0.071	0.115	0.007	0.036	0	0	0	0	---	---	0.027	MEAN

LOCATION - LAT 51 21 28 N
LONG 109 52 15 W
DRAINAGE AREA, 199 km^2
NATURAL FLOW

UNNAMED CREEK NEAR CUTBANK - STATION NO. 05MF022

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1970	---	---	---	---	1970
1973	---	0.283B ON MAR 10	0B ON MAR 1 *	---	1973
1975	---	1.83 ON APR 17	0B ON MAR 1	848	1975
1976	6.52 AT 18:55 CST ON JUN 9 *	5.41 ON APR 1 *	0B ON MAR 1	3 250	1976
1977	0.056 AT 18:15 CST ON MAY 15	0.002R ON MAY 15	0B ON MAR 1	0.17	1977
1978	0.045 AT 01:57 CST ON MAY 2	0.028 ON MAY 2	0 ON MAR 1	20.3	1978
1979	1.84 AT 03:46 CST ON APR 19	1.51 ON APR 19	0B ON MAR 1	1 010	1979
1980	0.871B AT 12:19 CST ON MAR 29	0.668B ON MAR 29	0B ON MAR 1	292	1980
1981	---	0 ON MAR 1	0 ON MAR 1	0	1981
1982	2.26 B AT 12:30 CST ON APR 12	1.76 ON APR 13	0B ON MAR 1	836	1982
1983	0.054 AT 19:55 CST ON JUL 20	0.007 ON MAY 10	0B ON MAR 1	1.61	1983
1984	0.185 AT 12:50 CST ON APR 23	0.143 ON APR 23	0 ON MAR 1	30.9	1984
1985	3.00 AT 15:55 CST ON MAR 21	1.85 ON MAR 22	0B ON MAR 1	1 380	1985
1986	0.680B AT 15:50 CST ON MAR 3	0.370B ON MAR 3	0 ON APR 2	164	1986
1987	0.774B AT 12:15 CST ON APR 1	0.510B ON APR 1	0B ON MAR 1	403	1987
1988	---	0 ON MAR 1	0 ON MAR 1	0	1988
				676	MEAN

B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD
R - REVISED SINCE JAN 01 1987

UNNAMED CREEK NEAR GLENSIDE - STATION NO. 05HG018

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1970	---	---	0.183	0.108	---	---	---	---	---	---	---	---	---	1970
1971	---	---	---	0.211	---	---	---	---	---	---	---	---	---	1971
1972	---	---	0.086	---	---	---	---	---	---	---	---	---	---	1972
1973	---	---	0.116	---	---	---	---	---	---	---	---	---	---	1973
1974	---	---	---	0.428	0.002	---	---	---	---	---	---	---	---	1974
1975	---	---	0	0.077	0.002	0	0	0	0	0	---	---	0.010	1975
1976	---	---	0.114	0.372	0	0.132	0	0	0	0	---	---	0.076	1976
1977	---	---	0	0	0	0	0	0	0	0	---	---	0	1977
1978	---	---	0	0	0	0	0	0	0	0	---	---	0	1978
1979	---	---	0.001	0.118	0	0	0	0	0	0	---	---	0.014	1979
MEAN	---	---	0.083	0.184	0.001	0.026	0	0	0	0	---	---	0.020	MEAN

LOCATION - LAT 51 28 44 N DRAINAGE AREA, 31.8 km²
LONG 108 49 06 W NATURAL FLOW

UNNAMED CREEK NEAR GLENSIDE - STATION NO. 05HG018

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1970	---	1.42 B ON MAR 18	0B ON MAR 1 *	---	1970
1971	---	---	---	---	1971
1972	---	1.14 ON MAR 18	0 ON MAR 1	---	1972
1973	---	1.42 B ON MAR 11	0 ON MAR 1	---	1973
1974	---	---	---	---	1974
1975	---	0.685B ON APR 15	0B ON MAR 1	206	1975
1976	3.80B AT 07:12 CST ON APR 1 *	3.45 B ON APR 1 *	0B ON MAR 1	1 010	1976
1977	0 B AT 00:00 CST ON MAR 1	0 B ON MAR 1	0B ON MAR 1	0	1977
1978	---	0.001B ON MAR 23	0B ON MAR 1	0.82	1978
1979	1.03A AT 16:00 CST ON APR 17	0.79B ON APR 17	0B ON MAR 1	301	1979
				424	MEAN

A - MANUAL GAUGE B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD
(SEE REFERENCE INDEX)

VAL MARIE PUMP NO. 1 - STATION NO. 11AC008

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1961	---	---	0	0	0.062	0.066	0.020	0	0	0	---	---	0.016	1961
1962	---	---	0	0	0.068	0.018	0	0.037	0.007	0	---	---	0.016	1962
1963	---	---	0	0	0.020	0.041	0.032	0.055	0	0	---	---	0.018	1963
1964	---	---	0	0	0.032	0.078	0.026	0.042	0.009	0	---	---	0.023	1964
1965	---	---	0	0	0	0.048	0	0.027	0.020	0	---	---	0.014	1965
1966	---	---	0	0	0.014	0.079	0.030	0.057	0	0	---	---	0.022	1966
1967	---	---	0	0	0	0.062	0.028	0.038	0.015	0	---	---	0.018	1967
1968	---	---	0	0	0.038	0.017	0.068	0.020	0	0	---	---	0.017	1968
1969	---	---	0	0	0.004	0.061	0	0.028	0	0	---	---	0.010	1969
1970	---	---	0	0	0	0.028	0.017	0.008	0	0	---	---	0.008	1970
1971	---	---	0	0	0.030	0.028	0.068	0.010	0	0	---	---	0.016	1971
1972	---	---	0	0	0.060	0.038	0.057	0.011	0	0	---	---	0.019	1972
1973	---	---	0	0	0.077	0.022	0.062	0.016	0	0	---	---	0.022	1973
1974	---	---	0	0	0	0.057	0.053	0.038	0	0	---	---	0.018	1974
1975	---	---	0	0	0	0.030	0.052	0.016	0	0	---	---	0.012	1975
1976	---	---	0	0	0.088	0	0.050	0.018	0	0	---	---	0.021	1976
1977	---	---	0	0	0.101	0	0.072	0.028	0	0	---	---	0.026	1977
1978	---	---	0	0	0.087	0	0.068	0.005	0	0	---	---	0.017	1978
1979	---	---	0	0	0.062	0	0.072	0	0	0	---	---	0.017	1979
1980	---	---	0	0	0.084	0	0.080	0	0	0	---	---	0.018	1980
1981	---	---	0	0	0.074	0	0	0	0	0	---	---	0.008	1981
1982	---	---	0	0	0.057	0.021	0.048	0.041	0	0	---	---	0.021	1982
1983	---	---	0	0	0.048	0.035	0.070	0	0	0	---	---	0.018	1983
1984	---	---	0	0.040	0.036	0	0	0	0	0	---	---	0.010	1984
1985	---	---	0	0	0.104	0	0	0	0	0	---	---	0.013	1985
1986	---	---	0	0	0	0.132	0.037	0	0	0	---	---	0.021	1986
1987	---	---	0	0	0.083	0	0.068	0	0	0	---	---	0.022	1987
1988	---	---	0	0	0.100	0	0	0	0	0	---	---	0.014	1988
MEAN	---	---	0	0.001	0.048	0.030	0.038	0.017	0.003	0	---	---	0.017	MEAN

LOCATION - LAT 49 21 44 N
LONG 107 50 55 W REGULATED

VAL MARIE PUMP NO. 1 - STATION NO. 11AC068

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1961	---	0.088 ON MAY 12	0 ON MAR 1 *	389	1961
1962	---	0.089 ON AUG 16	0 ON MAR 1	348	1962
1963	---	0.093 ON AUG 18	0 ON MAR 1	384	1963
1964	---	0.085 ON MAY 20	0 ON MAR 1	480	1964
1965	---	0.102 ON JUN 11	0 ON MAR 1	293	1965
1966	---	0.136 ON JUL 26	0 ON MAR 1	476	1966
1967	---	0.083 ON JUN 8	0 ON MAR 1	363	1967
1968	---	0.108 ON JUL 13	0 ON MAR 1	352	1968
1969	---	0.088 ON AUG 16	0 ON MAR 1	213	1969
1970	---	0.108 ON JUN 3	0 ON MAR 1	134	1970
1971	---	0.083 ON JUL 18	0 ON MAR 1	333	1971
1972	---	0.102 ON JUL 7	0 ON MAR 1	408	1972
1973	---	0.089 ON MAY 8	0 ON MAR 1	474	1973
1974	---	0.093 ON JUL 18	0 ON MAR 1	393	1974
1975	---	0.190 ON JUL 28	0 ON MAR 1	256	1975
1976	---	0.284 ON MAY 22	0 ON MAR 1	441	1976
1977	---	0.386 ON JUL 22 *	0 ON MAR 1	535	1977
1978	---	0.385 ON JUL 31	0 ON MAR 1	386	1978
1979	---	0.367 ON MAY 28	0 ON MAR 1	389	1979
1980	---	0.375 ON JUL 27	0 ON MAR 1	387	1980
1981	---	0.309 ON MAY 24	0 ON MAR 1	197	1981
1982	---	0.328 ON JUL 30	0 ON MAR 1	435	1982
1983	---	0.284 ON MAY 27	0 ON MAR 1	408	1983
1984	---	0.271 ON APR 26	0 ON MAR 1	205	1984
1985	---	0.284 ON MAY 15	0 ON MAR 1	278	1985
1986	---	0.384 ON JUN 4	0 ON MAR 1	441	1986
1987	---	0.270 ON JUL 14	0 ON MAR 1	460	1987
1988	---	0.246 ON MAY 15	0 ON MAR 1	292	1988
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		362	MEAN

VAL MARIE PUMP NO. 2 - STATION NO. 11AC068

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1961	---	---	0	0	0	0.001	0.030	0.008	0	0	---	---	---	1961
1962	---	---	0	0	0	0.023	0.012	0	0.007	0	---	---	---	1962
1963	---	---	0	0	0.009	0	0.019	0.017	0.002	0	---	---	---	1963
1964	---	---	0	0	0.012	0.012	0.017	0.004	0.002	0	---	---	---	1964
1965	---	---	0	0	0	0.019	0	0.038	0	0	---	---	---	1965
1966	---	---	0	0	0	0.014	0	0.013	0	0	---	---	---	1966
1967	---	---	0	0	0	0.019	0.028	0	0	0	---	---	---	1967
1968	---	---	0	0	0.034	0	0.017	0.018	0	0	---	---	---	1968
1969	---	---	0	0	0.002	0.032	0	0.017	0	0	---	---	---	1969
1970	---	---	0	0	0.023	0	0	0.022	0	0	---	---	---	1970
1971	---	---	0	0	0	0.036	0.021	0.014	0	0	---	---	---	1971
1972	---	---	0	0	0	0.007	0.008	0	0	0	---	---	---	1972
1973	---	---	0	0	0.020	0.005	0.020	0	0	0	---	---	---	1973
1974	---	---	0	0	0	0.022	0.011	0	0	0	---	---	---	1974
1975	---	---	0	0	0	0.008	0.018	0.021	0	0	---	---	---	1975
1976	---	---	0	0	0.011	0.013	0.008	0.004	0	0	---	---	---	1976
1977	---	---	0	0	0.033	0	0.018	0	0	0	---	---	---	1977
1978	---	---	0	0	0.018	0	0	0.007	0	0	---	---	---	1978
1979	---	---	0	0	0	0.010	0.012	0.003	0	0	---	---	---	1979
1980	---	---	0	0	0.026	0	0.007	0	0	0	---	---	---	1980
MEAN	---	---	0	0	0.009	0.011	0.012	0.009	0.001	0	---	---	---	MEAN

LOCATION - LAT 49 21 01 N
LONG 107 49 48 W REGULATED

REMARKS - DISCHARGES COMPUTED FROM PUMPING RECORDS

VAN PATTENS CREEK NEAR KUROKI - STATION NO. 05MB011

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1982	---	---	---	0.440	0	---	---	---	---	---	---	---	---	1982
1983	---	---	0.084	0.091	0.004	---	---	---	---	---	---	---	---	1983
1984	---	---	---	0.045	0.037	---	---	---	---	---	---	---	---	1984
1985	---	---	---	0.314	0.005	---	---	---	---	---	---	---	---	1985
1986	---	---	---	1.03	0.108	0	---	---	---	---	---	---	---	1986
1987	---	---	---	0.538	0.242	---	---	---	---	---	---	---	---	1987
1988	---	---	0.114	0.041	---	---	---	---	---	---	---	---	---	1988
1989	---	---	---	0.894	0.006	---	---	---	---	---	---	---	---	1989
1970	---	---	---	0.754	0.157	---	---	---	---	---	---	---	---	1970
1971	---	---	---	0.788	0.035	---	---	---	---	---	---	---	---	1971
1972	---	---	---	---	0.475	---	---	---	---	---	---	---	---	1972
1973	---	---	---	0.018	0.004	0.023	0.083	---	---	---	---	---	---	1973
1974	---	---	---	---	0.877	---	---	---	---	---	---	---	---	1974
1975	---	---	0	1.06	0.808	0.173	0.011	0	0	0	---	---	0.231	1975
1976	---	---	0	1.58	0.131	0.085	0.026	0	0	0	---	---	0.227	1976
1977	---	---	0	0.113	0.008	0	0	0	0	0	---	---	0.015	1977
1978	---	---	0	0.375	0.005	0.003	0.071	0	0.003	0.015	---	---	0.059	1978
1979	---	---	0	1.81	1.48	0.047	0.001	0	0	0	---	---	0.391	1979
1980	---	---	0	0.796	0.006	0	0	0	0	0	---	---	0.098	1980
1981	---	0	0.063	0.136	0.003	0	0.002	0	0	0	---	---	0.025	1981
1982	---	---	0	0.203	0.008	0.002	0	0	0	0	---	---	0.026	1982
1983	---	---	0	0.871	0.148	0.012	0.278	0.034	0.001	0	---	---	0.142	1983
1984	---	---	0.171	0.613	0.093	0.026	0.014	0	0	0	---	---	0.113	1984
1985	---	---	5.010	1.44	0.181	0.022	0	0	0	0	---	---	0.201	1985
1986	---	---	3.120	0.498	0.043	0.006	0	0	0	0	---	---	0.082	1986
1987	---	---	M	0.552	0.002	0.003	0	0	0	0	---	---	0.068	1987
MEAN	---	0	0.035	0.801	0.178	0.027	0.035	0.003	0	0.001	---	---	0.128	MEAN

LOCATION - LAT 51 52 03 N DRAINAGE AREA, 113 km²
LONG 103 35 11 W NATURAL FLOW

VAN PATTENS CREEK NEAR KUROKI - STATION NO. 05MB011

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1982	---	---	---	---	1982
1983	---	0.255 ON MAR 28	0E ON MAR 1 *	---	1983
1984	---	---	---	---	1984
1985	---	---	---	---	1985
1986	---	---	---	---	1986
1987	---	---	---	---	1987
1988	---	1.27 ON MAR 28	0E ON MAR 1	---	1988
1989	---	---	---	---	1989
1970	---	---	---	---	1970
1971	---	---	---	---	1971
1972	---	---	---	---	1972
1973	---	---	---	---	1973
1974	---	---	---	---	1974
1975	7.22 AT 14:38 CST ON APR 29	6.64 ON APR 29	0E ON MAR 1	4 880	1975
1976	---	6.50 ON APR 11 *	0E ON MAR 1	4 800	1976
1977	---	0.883 ON APR 12	0E ON MAR 1	315	1977
1978	2.37 AT 12:16 CST ON APR 12	1.68 E ON APR 10	0E ON MAR 1	1 240	1978
1979	10.6 AT 10:21 CST ON APR 24 *	8.20 E ON APR 24	0E ON MAR 1	8 280	1979
1980	2.97 E AT 17:22 CST ON APR 9	2.29 E ON APR 10	0E ON MAR 1	2 060	1980
1981	0.791 AT 12:26 CST ON APR 3	0.780 ON APR 3	0E ON MAR 1	535	1981
1982	1.75 E AT 08:20 CST ON APR 16	1.06 E ON APR 16	0E ON MAR 1	651	1982
1983	5.82 AT 22:40 CST ON APR 22	4.72 ON APR 23	0E ON MAR 1	3 010	1983
1984	2.12 E AT 11:12 CST ON MAR 30	1.64 E ON APR 2	0E ON MAR 1	2 [illegible]00	1984
1985	3.86 AT 03:08 CST ON APR 11	3.81 E ON APR 11	0E ON MAR 1	4 240	1985
1986	2.56 E AT 10:16 CST ON MAR 31	2.36 E ON MAR 31	0E ON MAR 1	1 740	1986
1987	3.80 AT 08:37 CST ON APR 8	3.66 ON APR 8	0E ON MAR 1	1 440	1987
				2 730	MEAN

E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

VIDORA DITCH NEAR CONSUL - STATION NO. 11AB084

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1953	---	---	B	0	0	0.005	B.284	B.287	0.044	0.006	0.002	---	0.078	1953
1954	---	---	B	B	0.136	0.223	0.284	0.116	0	0	---	---	0.083	1954
1955	---	---	0	0	0	0.120	0.[illegible]18	0.287	0.141	0.218	---	---	0.088	1955
1956	---	---	0	0	0.017	0.538	0.368	0.086	0.202	0.041	---	---	0.152	1956
1957	---	---	0	0.028	0.285	0.190	0.522	0.088	0.210	0	---	---	0.158	1957
1958	---	---	0.006	0.028	0.138	0.204	0.417	0.186	0.248	0	---	---	0.151	1958
1959	---	---	0	0.012	0.123	0.827	0.022	0.020	0.214	0	---	---	0.125	1959
1960	---	---	0	0.026	0	0.557	0.455	0.068	0	0	---	---	0.140	1960
1961	---	---	0	0	0.511	0.438	0.442	0	0	0.015	---	---	0.176	1961
1962	---	---	0	0	0.597	0.330	0.174	0	0	0	---	---	0.138	1962
1963	---	---	0	0	0.456	0.298	0	0	0	0	---	---	0.094	1963
1964	---	---	0	0	0.138	0.780	0	0	0	0	---	---	0.111	1964
1965	---	---	0	0	0.628	0.252	0	0.480	0	0	---	---	0.171	1965
1966	---	---	0	0	0.640	0.128	0.368	0.263	0	0	---	---	0.178	1966
1967	---	---	0	0	0.117	0.726	0.871	0.545	0	0	---	---	0.283	1967
1968	---	---	0	0	0.824	0	0.986	0.037	0	0	---	---	0.234	1968
1969	---	---	0	0	0.589	0.092	0.878	0.251	0	0	---	---	0.203	1969
1970	---	---	0	0	0.765	0.707	0.770	0.065	0	0	---	---	0.280	1970
1971	---	---	0	0	0.890	0.584	0.602	0.333	0	0	---	---	0.277	1971
1972	---	---	0	0	0.801	0	0.453	0.333	0	0	---	---	0.213	1972
1973	---	---	0	0	0.834	0	0.803	0.100	0	0	---	---	0.220	1973
1974	---	---	0	0	0	1.10	0.883	0.066	0	0	---	---	0.228	1974
1975	---	---	0	0	0	0.757	0.414	0.113	0	0	---	---	0.159	1975
1976	---	---	0	0	0.856	0	0.811	0.111	0	0	---	---	0.174	1976
1977	---	---	0	0	0.470	0.526	0.737	0	0	0	---	---	0.217	1977
1978	---	---	0	0	0.083	0.685	0.030	0	0	0	---	---	0.095	1978
1979	---	---	0	0	0	0.684	0.875	0	0	0	---	---	0.189	1979
1980	---	---	0	0	1.02	0	0.882	0.027	0	0	---	---	0.218	1980
1981	---	---	0	0	0.938	0.010	0	0	0	0	---	---	0.120	1981
1982	---	---	0	0	0	0.935	0.051	0	0	0	---	---	0.121	1982
1983	---	---	0	0	0.875	0.426	0	0	0	0	---	---	0.138	1983
1984	---	---	0	0	0.883	0	0	0	0	0	---	---	0.070	1984
1985	---	---	0	0	0.587	0.842	0	0	0	0	---	---	0.154	1985
1986	---	---	0	0	0.158	0.871	0	0	0	0	---	---	0.126	1986
1987	---	---	0	0	0.719	0.208	0	0	0	0	---	---	0.116	1987
1988	---	---	0	0	1.20	0	0	0	0	0	---	---	0.152	1988
MEAN	---	---	B	0.003	0.428	0.378	B.343	0.107	0.038	0.006	0.002	---	0.162	MEAN

LOCATION - LAT 49 27 27 N
LONG 109 35 30 W REGULATED

INTERNATIONAL GAUGING STATION

VIDORA DITCH NEAR CONSUL - STATION NO. 11AB084

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1953	---	0.515 ON JUL 23	0 ON MAR 1 *	1 670	1953
1954	---	0.648 ON AUG 9	OB ON MAR 1	1 880	1954
1955	---	0.600 ON JUN 25	0 ON MAR 1	2 100	1955
1956	---	0.861 ON JUL 27	0 ON MAR 1	3 210	1956
1957	---	1.06 ON JUL 19	0 ON MAR 1	3 350	1957
1958	---	0.800 ON JUL 26	OB ON MAR 1	3 190	1958
1959	---	0.812 ON JUN 26	0 ON MAR 1	2 850	1959
1960	---	0.728 ON JUN 14	0 ON MAR 1	2 970	1960
1961	---	1.07 ON JUL 16	0 ON MAR 1	3 720	1961
1962	---	1.83 ON JUL 1	OB ON MAR 1	2 820	1962
1963	---	1.04 ON MAY 16	OB ON MAR 1	1 980	1963
1964	---	1.28 E ON JUN 16	0 ON MAR 1	2 340	1964
1965	---	1.80 ON MAY 23	0 ON MAR 1	3 820	1965
1966	---	2.15 ON MAY 24	0 ON MAR 1	3 770	1966
1967	---	2.06 ON JUN 6	OB ON MAR 1	5 890	1967
1968	---	2.13 ON MAY 22	0 ON MAR 1	4 880	1968
1969	---	1.78 ON JUL 22	0 ON MAR 1	4 300	1969
1970	---	2.06 ON JUL 23	0 ON MAR 1	5 140	1970
1971	---	2.15 ON JUN 8	0 ON MAR 1	5 650	1971
1972	---	1.84 ON MAY 24	0 ON MAR 1	4 510	1972
1973	---	1.65 ON MAY 26	0 ON MAR 1	4 650	1973
1974	---	2.23 ON JUN 17	0 ON MAR 1	4 880	1974
1975	---	2.74 ON JUN 12	0 ON MAR 1	3 370	1975
1976	---	1.85 ON MAY 28	0 ON MAR 1	3 700	1976
1977	---	1.98 ON JUN 1	0 ON MAR 1	4 580	1977
1978	---	1.33 ON JUN 7	0 ON MAR 1	3 030	1978
1979	---	1.88 ON JUN 9	0 ON MAR 1	3 680	1979
1980	---	1.96 ON MAY 25	0 ON MAR 1	4 820	1980
1981	---	1.76 ON MAY 18	0 ON MAR 1	2 940	1981
1982	---	1.86 ON JUN 20	0 ON MAR 1	2 980	1982
1983	---	1.97 ON JUN 5	0 ON MAR 1	2 910	1983
1984	---	1.20 ON MAY 5	OB ON MAR 1	1 480	1984
1985	---	1.48 ON MAY 22	0 ON MAR 1	3 270	1985
1986	---	1.80 ON MAY 31	0 ON MAR 1	3 680	1986
1987	---	1.86 ON MAY 23	0 ON MAR 1	2 470	1987
1988	---	2.88 ON MAY 26 *	0 ON MAR 1	3 220	1988
				3 440	MEAN

B - ICE CONDITIONS
E - ESTIMATED

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

VIDORA DITCH NEAR CONSUL (LOWER STATION) - STATION NO. 11AB118

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1973	---	---	---	0	0.880	0	0.817	0.110	0	0	---	---	0.205	1973
1974	---	---	---	0	0	0.859	0.598	0.085	0	0	---	---	0.221	1974
1975	---	---	0	0	0	0.696	0.362	0.132	0	0	---	---	0.149	1975
MEAN	---	---	0	0	0.330	0.478	0.522	0.112	0	0	---	---	0.192	MEAN

LOCATION - LAT 49 22 40 N
LONG 109 29 54 W
REGULATED

VIDORA DITCH NEAR CONSUL (LOWER STATION) - STATION NO. 11AB118

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1973	---	1.50 ON MAY 12	0 ON APR 1 *	3 780	1973
1974	---	1.83 ON JUN 11	0 ON APR 1	4 080	1974
1975	---	2.05 ON JUN 12 *	0 ON APR 1	2 770	1975
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		3 550	MEAN

WASCANA CREEK AT REGINA - STATION NO. 05JF003

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1924	---	---	---	5.21	---	---	---	---	---	---	---	---	---	1924
1925	---	---	3.70	14.2	0.435	---	---	---	---	---	---	---	---	1925
1927	---	---	---	23.3	3.91	---	---	---	---	---	---	---	---	1927
1928	---	---	8.13	5.87	---	---	---	---	---	---	---	---	---	1928
1930	---	---	---	1.83	0.234	---	---	---	---	---	---	---	---	1930
1933	---	---	---	0.348	0.370	0.388	0.038	0	0	0	---	---	---	1933
1934	---	---	---	0.380	0.012	0.002	0	0	0	0	---	---	---	1934
1935	---	---	---	0.148	0.184	0.010	0.034	0	0	0	---	---	---	1935
1936	---	---	---	10.4	1.25	0.073	0.007	0.010	0.010	---	---	---	---	1936
1937	---	---	0.002	0.001	0.002	0.018	0.012	0.010	0.087	0.078	---	---	0.024	1937
1938	---	---	0.010	0.514	0.013	0.022	0.074	0.038	0.038	0.032	---	---	0.091	1938
1939	---	---	1.18	1.04	0.015	0.038	0.008	0.008	0.001	0.001	---	---	0.283	1939
1940	---	---	0.002	0.014	0.005	0.012	0.012	0.013	0.021	0.008	---	---	0.011	1940
MEAN	---	---	1.83	4.86	0.585	0.068	0.023	0.010	0.017	0.017	---	---	0.102	MEAN

LOCATION - LAT 50 27 00 N
LONG 104 40 00 W
DRAINAGE AREA, 3 780 km^2
REGULATED

WASCANA CREEK AT REGINA - STATION NO. 05JF003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1924	---	---	---	---	1924
1925	---	---	0 ON MAR 1 *	---	1925
1927	---	55.8 ON APR 18 *	0 ON APR 2	---	1927
1928	---	---	0 ON MAR 1	---	1928
1930	---	---	0 ON APR 1	---	1930
1933	---	---	0E ON APR 1	---	1933
1934	---	---	0 ON JUN 21	---	1934
1935	---	---	0E ON APR 1	---	1935
1936	---	24.4 ON APR 19	0 ON MAY 11	---	1936
1937	---	0.184 ON OCT 1	0B ON MAR 1	808	1937
1938	---	2.15 ON APR 13	0B ON MAR 1	1 920	1938
1939	---	14.3 B ON MAR 28	0B ON MAR 1	6 950	1939
1940	---	0.235 ON JUN 8	0B ON MAR 1	229	1940
	B - ICE CONDITIONS E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		2 180	MEAN

WASCANA CREEK BELOW KRONAU MARSH - STATION NO. 05JF012

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1975	---	---	---	14.5	16.8	---	---	---	---	---	---	---	---	1975
1976	---	---	0.092	25.7	---	---	1.25	0.342	0	---	---	---	---	1976
1977	---	---	0	0.120	0.095	0.084	0.040	0.005	0	E	---	---	0.043	1977
1978	---	---	0.511	2.88	0.381	0.252	0.016	0	0	0	---	---	0.508	1978
1979	---	---	0	9.56	6.45	0.472	0.323	0.006	0	E	---	---	2.09	1979
1980	---	---	0.019	2.73	0.045	0	0	0.172	0.008	0	---	---	0.388	1980
1981	---	---	0.004	0.018	0	0	0.583	0.002	0	0	---	---	0.078	1981
1982	---	---	0	17.8	2.50	0.185	0.883	0.305	0.008	0	---	---	2.70	1982
1983	---	---	0	5.23	1.65	1.01	7.12	0.829	0.013	0.005	---	---	1.88	1983
1984	---	---	2.34	1.41	0.083	0.009	0	0	0	0	---	---	0.477	1984
1985	---	---	1.85	3.93	0.047	0.013	0	0	0	0.012	---	---	0.888	1985
1986	---	---	2.10	0.322	1.83	0.005	0.001	E	E	0.003	---	---	0.538	1986
1987	---	---	0.542	0.707	0.084	0.252	0	0	E	0	---	---	0.197	1987
1988	---	---	0.015	0.082	0.048	0	E	E	E	0	---	---	0.015	1988
MEAN	---	---	0.550	5.08	2.29	0.189	0.787	0.151	0.002	E.002	---	---	0.808	MEAN

LOCATION - LAT 50 21 07 N DRAINAGE AREA, 2 980 km²
LONG 104 26 03 W REGULATED

WASCANA CREEK BELOW KRONAU MARSH - STATION NO. 05JF012

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1975	---	---	---	---	1975
1976	---	59.5 ON APR 11	0 ON MAR 1 *	---	1976
1977	---	0.416 ON JUN 2	OE ON MAR 1	915	1977
1978	6.97 B AT 13:00 CST ON APR 1	6.85 B ON MAR 31	OB ON MAR 1	10 700	1978
1979	38.5 AT 22:00 CST ON APR 24	37.2 ON APR 25	OB ON MAR 1	44 200	1979
1980	8.92 AT 04:00 CST ON APR 8	8.87 ON APR 8	OB ON MAR 1	7 740	1980
1981	5.80 AT 00:30 CST ON JUL 15	5.19 ON JUL 15	OB ON MAR 1	1 620	1981
1982	87.1 AT 20:35 CST ON APR 19 *	82.8 ON APR 20 *	OB ON MAR 1	87 200	1982
1983	13.6 AT 06:00 CST ON JUL 26	13.5 ON APR 23	0 ON MAR 1	42 000	1983
1984	10.8 AT 17:04 CST ON MAR 28	10.7 ON MAR 28	OB ON MAR 1	10 100	1984
1985	20.6 B AT 11:00 CST ON MAR 31	17.5 B ON MAR 31	OB ON MAR 1	14 800	1985
1986	8.52 AT 16:05 CST ON MAY 10	8.36 ON MAY 10	OB ON MAR 1	11 400	1986
1987	2.21 B AT 19:41 CST ON MAR 26	2.11 B ON MAR 30	OB ON MAR 1	4 160	1987
1988	0.182 AT 09:52 CST ON APR 12	0.172 ON APR 12	OB ON MAR 1	333	1988
				17 100	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

WASCANA CREEK NEAR LUMSDEN - STATION NO. 05JF005

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1945	---	---	0.309	0.325	0.331	0.184	0.161	---	---	---	---	---	---	1945
1946	---	---	1.82	0.784	0.240	0.334	0.333	0.157	0.175	0.211	---	---	---	1946
1947	---	---	0.016	20.2	3.85	1.03	0.328	0.265	0.239	0.221	---	---	---	1947
1948	---	---	0.041	20.1	12.5	0.533	0.221	0.155	0.119	0.203	---	---	---	1948
1949	---	---	0.215	0.819	0.714	0.417	0.343	0.241	0.214	0.227	---	---	---	1949
1950	---	---	5.261	5.01	1.47	0.387	0.340	0.224	0.258	0.256	---	---	---	1950
1951	---	---	0.113	7.82	8.33	1.32	0.288	0.140	0.833	0.471	---	---	---	1951
1952	---	---	---	9.88	1.25	0.420	0.379	0.295	0.330	0.259	---	---	---	1952
1953	---	---	1.48	5.71	1.51	3.78	3.71	2.08	0.854	0.300	---	---	---	1953
1954	---	---	0.306	1.99	1.43	2.50	0.846	1.13	0.705	0.457	---	---	---	1954
1955	---	---	0.259	20.0	18.3	1.38	5.99	1.40	0.543	0.387	---	---	---	1955
1956	---	---	0.199	30.5	8.99	1.54	1.34	0.801	0.409	0.421	---	---	---	1956
1957	---	---	3.43	7.37	0.868	0.532	0.382	0.414	0.407	0.313	---	---	---	1957
1958	---	---	0.882	3.40	0.444	0.332	0.485	0.501	0.382	0.418	---	---	---	1958
1959	---	---	0.871	0.798	0.474	0.581	0.346	0.252	0.478	0.800	---	---	---	1959
1960	---	---	0.701	11.9	1.00	3.86	1.13	0.214	0.089	0.444	---	---	---	1960
1961	---	---	0.177	0.831	0.700	0.384	0.526	0.274	0.357	0.582	0.888	---	---	1961
1962	---	---	0.530	2.80	0.853	0.915	0.877	0.702	0.260	0.558	---	---	---	1962
1963	---	---	0.439	0.773	0.599	0.718	1.06	0.553	0.822	0.894	---	---	---	1963
1964	---	---	0.210	1.42	0.804	0.788	1.49	0.811	0.505	0.266	---	---	---	1964
1965	---	---	0.211	5.52	1.99	4.78	1.02	0.580	0.471	0.183	---	---	---	1965
1966	---	---	2.86	7.96	1.00	0.813	0.150	0.373	0.953	0.608	---	---	---	1966
1967	---	---	0.518	13.7	2.24	0.798	0.685	0.894	0.490	0.352	---	---	---	1967
1968	---	---	2.02	1.33	0.588	0.689	0.202	0.778	0.777	0.242	---	---	---	1968
1969	---	---	0.180	25.1	0.997	0.354	0.821	0.245	0.388	0.312	---	---	---	1969
1970	---	---	0.182	11.7	8.88	2.98	0.840	0.384	1.18	0.318	---	---	---	1970
1971	0.382	0.378	1.18	30.6	1.86	0.484	0.848	0.182	0.287	0.209	---	---	---	1971
1972	---	---	2.08	4.82	1.18	0.747	0.818	0.946	0.885	0.431	0.185	0.271	---	1972
1973	0.378	0.418	0.845	1.05	1.20	1.31	1.75	0.786	0.800	0.488	0.330	0.498	0.808	1973
1974	0.513	0.388	0.421	43.8	18.0	2.48	0.898	1.25	1.40	0.833	0.417	0.415	5.87	1974
1975	0.324	0.285	0.812	19.1	23.7	5.82	2.73	0.918	1.08	0.838	0.189	0.432	4.77	1975
1976	0.338	0.432	1.28	40.8	3.74	12.8	3.08	0.948	0.888	0.285	0.484	0.390	5.38	1976
1977	0.240	0.362	0.882	0.882	1.14	0.751	0.842	0.608	0.583	0.234	0.410	0.440	0.815	1977
1978	0.378	0.288	1.22	5.71	1.48	1.28	0.819	0.828	0.945	0.814	0.880	0.498	1.21	1978
1979	0.479	0.482	0.851	14.8	11.4	1.27	0.837	0.801	0.505	0.444	0.388	0.378	2.87	1979
1980	0.347	0.385	1.02	5.80	0.780	0.784	0.839	0.832	0.840	0.786	0.285	0.132	1.07	1980
1981	0.378	0.818	0.787	1.20	0.821	0.934	1.34	0.823	0.988	1.22	0.870	0.878	0.880	1981
1982	0.478	0.382	0.840	32.8	8.81	1.38	1.78	1.17	0.822	0.780	0.833	0.810	3.98	1982
1983	0.884	0.880	0.889	9.37	4.38	2.05	12.1	3.24	0.841	0.892	0.709	0.283	2.88	1983
1984	0.481	0.780	3.90	4.34	0.971	0.983	0.702	0.810	0.533	0.823	0.738	0.842	1.30	1984
1985	0.298	0.454	4.04	8.81	1.37	0.948	0.702	0.821	0.880	0.803	0.385	0.932	1.85	1985
1986	0.825	0.888	3.70	1.40	5.81	0.907	1.35	0.778	1.15	0.374	0.884	0.516	1.82	1986
1987	0.485	0.834	2.22	2.48	1.23	1.20	1.31	0.827	0.417	0.818	0.888	0.887	1.08	1987
1988	0.488	0.880	1.01	1.39	0.888	0.886	0.790	1.07	0.880	0.338	0.724	0.816	0.788	1988
MEAN	0.419	0.473	1.04	10.1	3.73	1.59	1.30	0.724	0.888	0.487	0.488	0.447	2.28	MEAN

LOCATION - LAT 50 38 10 N DRAINAGE AREA, 4 810 km²
LONG 104 54 35 W REGULATED

REMARKS - RECORDS TO 1948 COLLECTED AT NW07-18-21-W2

WASCANA CREEK NEAR LUMSDEN - STATION NO. 05JF005

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1945	---	---	0 B ON MAR 1 *	---	1945
1946	---	5.809 ON MAR 23	0.0888 ON MAR 1	---	1946
1947	---	39.4 ON APR 18	0 B ON MAR 1	---	1947
1948	---	65.4 ON APR 24	0 B ON MAR 1	---	1948
1949	---	7.22 ON MAY 30	0.1138 ON MAR 12	---	1949
1950	---	18.4 ON APR 17	0.0288 ON MAR 18	---	1950
1951	---	28.8 ON MAY 4	0.059 ON AUG 11	---	1951
1952	---	23.3 B ON APR 4	0.034 ON AUG 3	---	1952
1953	---	17.7 B ON MAR 29	0.003 ON SEP 23	---	1953
1954	---	8.80 ON AUG 27	0.1138 ON APR 2	---	1954
1955	---	53.5 ON MAY 4	0.1428 ON MAR 23	---	1955
1956	---	82.8 ON APR 20	0.1428 ON MAR 25	---	1956
1957	---	16.1 B ON APR 8	0.1138 ON MAR 9	---	1957
1958	---	7.855 ON APR 6	0.0859 ON MAR 1	---	1958
1959	---	2.018 ON MAR 23	0.110 ON JUL 30	---	1959
1960	32.3 AT 23:30 CST ON JUN 28	23.8 ON APR 7	0 B ON MAR 1	---	1960
1961	1.58 AT 14:00 CST ON JUN 1	1.19 ON JUN 1	0 B ON MAR 1	---	1961
1962	8.74 AT 11:30 CST ON APR 16	8.728 ON APR 16	0.0148 ON MAR 1	---	1962
1963	8.48 AT 01:00 CST ON JUL 11	6.17 ON JUL 11	0.1988 ON MAR 1	---	1963
1964	---	5.558 ON APR 28	0.1428 ON MAR 1	---	1964
1965	18.9 AT 07:00 CST ON APR 15	16.7 ON APR 15	0.045 ON OCT 12	---	1965
1966	23.5 B AT 23:00 CST ON APR 2	21.8 B ON APR 2	0.020 ON JUL 24	---	1966
1967	---	40.2 ON APR 16	0.028 ON SEP 8	---	1967
1968	10.1 B AT 06:00 CST ON MAR 8	8.8 ON MAR 7	0.040 ON OCT 5	---	1968
1969	88.5 AT 18:00 CST ON APR 13	85.4 ON APR 13	0.0288 ON OCT 30	---	1969
1970	---	27.3 ON APR 11	0.051 ON OCT 28	---	1970
1971	130 ON APR 13	92.3 ON APR 14	0.028 ON OCT 10	---	1971
1972	11.9 B AT 05:58 CST ON MAR 23	10.4 B ON MAR 23	0.045 ON NOV 1	---	1972
1973	7.82 AT 10:35 CST ON JUN 5	5.92 ON JUN 5	0.001 ON SEP 11	25 400	1973
1974	182 AT 04:34 CST ON APR 22 *	153 ON APR 22 *	0.1278 ON DEC 3	185 000	1974
1975	74.2 AT 19:48 CST ON JUN 27	60.3 ON JUN 27	0.105 ON NOV 10	150 000	1975
1976	---	68.0 ON APR 8	0.074 ON OCT 18	171 000	1976
1977	8.98 AT 07:48 CST ON JUL 12	5.95 ON JUL 12	0.026 ON OCT 28	19 400	1977
1978	---	12.5 B ON APR 6	0.018 ON OCT 22	38 000	1978
1979	68.0 AT 00:48 CST ON APR 25	57.5 ON APR 25	0.203 ON NOV 2	84 100	1979
1980	12.8 B AT 22:38 CST ON APR 5	11.7 B ON APR 8	0.0248 ON DEC 4	33 800	1980
1981	8.88 AT 01:31 CST ON OCT 14	4.73 ON OCT 14	0.238 ON NOV 3	27 100	1981
1982	115 AT 05:38 CST ON APR 20	89.9 ON APR 19	0.173 ON OCT 12	125 000	1982
1983	37.8 AT 18:07 CST ON JUL 10	33.5 ON JUL 11	0.0808 ON DEC 14	94 300	1983
1984	17.4 B AT 21:34 CST ON MAR 28	17.1 B ON MAR 28	0.022 ON SEP 11	41 000	1984
1985	24.9 B AT 16:04 CST ON APR 4	22.3 B ON APR 5	0.044 ON SEP 6	52 100	1985
1986	17.8 AT 16:04 CST ON MAY 10	15.9 ON MAY 10	0.045 ON OCT 20	47 800	1986
1987	11.4 AT 21:58 CST ON MAY 28	8.948 ON MAR 30	0.1088 ON JAN 4	34 300	1987
1988	6.83 AT 10:00 CST ON JUL 7	3.44 ON JUL 7	0.018 ON OCT 21	25 000	1988
				72 100	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

WASCANA CREEK NEAR RICHARDSON - STATION NO. 05JF008

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1982	0	0	0	1.76	0	0	0	0	0	0	0	0	0.218	1982
1983	0	0	0.084	0.031	0	0.058	0.023	0	0	0	0	0	0.022	1983
1984	---	---	0	0.593	0.008	0	0.330	0	0	0	---	---	0.114	1984
1985	---	---	0	3.83	0.877	2.01	0.012	0	0	0	---	---	0.887	1985
1986	---	---	1.24	3.83	0.114	0	0	0	0	0	---	---	0.853	1986
1987	---	---	0	8.43	0.080	0	0	0	0	0	---	---	1.11	1987
1988	---	---	1.76	0.318	---	---	---	---	---	---	---	---	---	1988
1989	---	---	0	15.3	0.080	0	0	---	---	---	---	---	---	1989
1990	---	---	0	5.14	2.73	1.80	0	0	0	0	---	---	1.33	1990
1991	---	---	0	30.7	0.338	0	0	0	0	0	---	---	2.88	1991
1992	---	---	0.717	3.08	0.081	0	0	0	0	0	---	---	0.478	1992
1993	---	---	0.030	0	0	0	1.18	0	0	0	---	---	0.183	1993
1994	---	---	---	27.3	---	---	---	---	---	---	---	---	---	1994
1995	---	---	---	15.2	18.8	---	---	---	---	---	---	---	---	1995
MEAN	0	0	0.317	7.88	1.81	0.381	0.140	0	0	0	0	0	0.732	MEAN

LOCATION - LAT 50 23 51 N, LONG 104 29 13 W
DRAINAGE AREA, 3 130 km^2
REGULATED

WASCANA CREEK NEAR RICHARDSON - STATION NO. 05JF005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1982	---	5.47 DN APR 11	08 DN MAR 1 *	4 820	1982
1983	---	0.388 DN MAR 26	08 DN MAR 1	458	1983
1984	---	2.12 DN JUL 5	0E DN MAR 1	2 410	1984
1985	---	10.2 B DN APR 13	0E DN MAR 1	14 100	1985
1986	---	14.2 DN MAR 31	08 DN MAR 1	13 800	1986
1987	---	28.8 DN APR 15	0 DN MAR 1	23 500	1987
1988	---	---	0E DN MAR 1	---	1988
1989	---	45.3 E DN APR 14	0E DN MAR 1	---	1989
1970	---	13.6 B DN APR 15	05 DN MAR 1	28 100	1970
1971	---	74.8 DN APR 11	0 DN MAR 1	54 800	1971
1972	---	5.18 DN APR 7	08 DN MAR 1	10 100	1972
1973	---	5.30 DN JUL 4	0E DN MAR 1	3 230	1973
1974	---	102 E DN APR 23 *	0E DN APR 1	---	1974
1975	---	---	---	---	1975
				15 500	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

WASCANA CREEK NEAR SEDLEY - STATION NO. 05JF004

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1944	---	---	0	0.021	0	0	---	---	---	---	---	---	---	1944
1945	---	---	0	0.007	0.017	0.022	---	---	---	---	---	---	---	1945
1946	---	---	0.535	0.188	0	0	---	---	---	---	---	---	---	1946
1947	---	---	0	7.08	0.388	0.131	---	---	---	---	---	---	---	1947
1948	---	---	0	5.67	0.882	0.025	---	---	---	---	---	---	---	1948
1949	---	---	0	0.077	0	0	---	---	---	---	---	---	---	1949
1950	---	---	0	1.05	0.018	0.287	---	---	---	---	---	---	---	1950
1951	---	---	0	3.90	1.30	0	---	---	---	---	---	---	---	1951
1952	---	---	0.185	2.75	0.003	0	---	---	---	---	---	---	---	1952
1953	---	---	0.277	1.47	0.097	5.42	---	---	---	---	---	---	---	1953
1954	---	---	0.008	0.742	0.014	1.04	---	---	---	---	---	---	---	1954
1955	---	---	0	4.81	1.94	0.025	0.438	0.010	0	0	---	---	0.893	1955
1956	---	---	0	8.41	0.818	0.891	0.148	0.018	0.008	0	---	---	1.25	1956
1957	---	---	0.789	0.523	0.010	0	0	0	0	0	---	---	0.186	1957
1958	---	---	0.208	0.883	0	0	0	0	0	0	---	---	0.130	1958
1959	---	---	0.018	0.007	0	0.018	0.002	0	0	0	---	---	0.005	1959
1960	---	---	0	2.13	0.001	0.018	0	0	0	0	---	---	0.282	1960
1961	---	---	0.003	0.032	0.001	0	0	0	0	0	---	---	0.003	1961
1962	---	---	0.001	0.583	0	0.001	0	0	0	0	---	---	0.088	1962
1963	---	---	0.006	0.015	0.008	0.013	0.084	0.005	0.001	0	---	---	0.017	1963
1964	---	---	E	0.347	0.017	0.002	0	0.005	0	0	---	---	0.045	1964
1965	---	---	0	0.815	0.400	0.180	0.004	0.003	0.001	0	---	---	0.173	1965
1966	---	---	0.583	0.866	0.035	0.001	0.001	0	0	0	---	---	0.200	1966
1967	---	---	0	3.27	0.041	0	0	0	0	0	---	---	0.283	1967
1968	---	---	0.014	0.073	0.013	0	0	0.011	0.001	0	---	---	0.014	1968
1969	---	---	0	5.33	0.023	0	0.003	0	0	0	---	---	0.855	1969
1970	---	---	0	2.71	1.11	0.872	0.102	0.018	0.001	0.012	---	---	0.808	1970
1971	---	---	0	5.57	0.058	0.022	0.055	0	0	0	---	---	0.700	1971
1972	---	---	0.817	0.529	0.015	0.001	0	0	0	0	---	---	0.170	1972
1973	---	---	0.004	0.003	0.004	0.005	0	0	0	0	---	---	0.002	1973
1974	---	---	0	5.89	1.87	0.048	0	0.482	0.008	0.008	---	---	1.47	1974
1975	---	---	0.011	12.3	7.83	0.121	0.004	0	0	0	---	---	2.48	1975
1976	---	---	0	13.3	0.722	1.27	0.481	0.081	0.001	0	---	---	1.84	1976
1977	---	---	0.004	0.008	0.002	0.001	0.002	0	0.001	0.001	---	---	0.002	1977
1978	---	---	0.208	0.813	0.048	0.018	0	0	0	0	---	---	0.145	1978
1979	---	---	0	4.82	2.73	0.184	0.001	0	0	0	---	---	0.855	1979
1980	---	---	0.127	1.80	0.001	0	0	0.238	0.008	0	---	---	0.230	1980
1981	---	0.001	0.002	0.001	0	0	0.124	0.013	0	0.002	---	---	0.019	1981
1982	---	---	0	7.38	0.431	0.014	0.361	0.008	0	0.001	---	---	1.00	1982
1983	---	---	0	4.28	0.831	0.836	1.18	0.887	0.007	0.008	---	---	0.877	1983
1984	---	---	0.812	0.381	0.004	0	0	0	0	0	---	---	0.138	1984
1985	---	---	1.83	0.826	0.002	0	0	0	0	0	---	---	0.333	1985
1986	---	---	0.718	0.886	0.317	0.001	0	0	0	0	---	---	0.143	1986
1987	---	---	0.235	C.305	0.008	0.001	0	0	0	0	---	---	0.058	1987
1988	---	---	E.001	0.002	0.002	0	0	0	0	0	---	---	0.001	1988
MEAN	---	0.001	0.170	2.58	0.478	0.327	0.088	0.048	0.001	0.001	---	---	0.497	MEAN

LOCATION - LAT 50 06 10 N
LONG 104 01 50 W
DRAINAGE AREA, 1 630 km^2
REGULATED SINCE 1980

WASCANA CREEK NEAR SEDLEY - STATION NO. 05JF004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1944	---	0.188 ON APR 5	0 ON MAR 1 *	---	1944
1945	---	---	0B ON MAR 1	---	1945
1946	---	3.57 ON MAR 28	0 ON MAR 1	---	1946
1947	---	37.9 ON APR 13	0 ON MAR 1	---	1947
1948	---	45.6 ON APR 22	0B ON MAR 1	---	1948
1949	---	0.552 ON APR 7	0B ON MAR 1	---	1949
1950	---	5.49 ON APR 15	0B ON MAR 1	---	1950
1951	---	14.5 ON APR 27	0B ON MAR 1	---	1951
1952	---	7.14 ON APR 5	0B ON MAR 1	---	1952
1953	---	32.6 ON JUN 3	0B ON MAR 1	---	1953
1954	---	---	0B ON MAR 1	---	1954
1955	---	16.3 B ON APR 3	0B ON MAR 1	18 800	1955
1956	---	51.5 B ON APR 13	0B ON MAR 1	25 500	1956
1957	---	3.82 B ON MAR 24	0B ON MAR 1	3 520	1957
1958	---	5.76 ON APR 1	0B ON MAR 1	2 780	1958
1959	---	0.2558 ON MAR 26	0B ON MAR 1	114	1959
1960	---	8.61 ON APR 8	0B ON MAR 1	5 580	1960
1961	---	0.0578 ON MAR 31	0B ON MAR 1	86.4	1961
1962	3.09 B AT 08:00 CST ON APR 5	3.06 B ON APR 5	0B ON MAR 1	1 440	1962
1963	0.210 AT 03:00 CST ON JUL 14	0.207 ON JUL 14	0B ON MAR 1	357	1963
1964	2.31 B AT 07:30 CST ON APR 2	1.99 B ON APR 2	0B ON MAR 1	983	1964
1965	2.78 AT 17:00 CST ON MAY 27	2.84 ON MAY 27	0B ON MAR 1	3 870	1965
1966	---	4.50 B ON MAR 29	0B ON MAR 1	4 230	1966
1967	13.1 B AT 00:00 CST ON APR 11	11.3 B ON APR 10	0B ON MAR 1	6 000	1967
1968	0.2448 AT 10:00 CST ON APR 6	0.2328 ON APR 6	0B ON MAR 1	280	1968
1969	42.8 AT 20:30 CST ON APR 10	38.4 ON APR 11	0B ON MAR 1	13 900	1969
1970	18.7 AT 05:30 CST ON JUN 11	18.0 ON APR 10	0B ON MAR 1	12 900	1970
1971	29.2 B AT 21:00 CST ON APR 8	25.2 B ON APR 8	0B ON MAR 1	14 800	1971
1972	4.33 B AT 12:12 CST ON MAR 29	3.51 B ON MAR 29	0B ON MAR 1	3 800	1972
1973	---	0.034 ON JUN 5	0B ON MAR 1	41.4	1973
1974	82.0 AT 18:52 CST ON APR 19 *	58.3 ON APR 19 *	0B ON MAR 1	31 000	1974
1975	51.3 AT 23:37 CST ON APR 28	48.4 ON APR 28	0B ON MAR 1	52 700	1975
1976	---	50.7 A ON APR 7	0B ON MAR 1	41 100	1976
1977	0.0318 AT 10:53 CST ON MAR 30	0.028 ON JUL 12	0B ON MAR 1	46.5	1977
1978	3.26 B AT 21:58 CST ON MAR 29	3.17 ON MAR 31	0B ON MAR 1	3 070	1978
1979	41.7 AT 02:23 CST ON APR 22	36.1 ON APR 22	0B ON MAR 1	20 200	1979
1980	5.90 AT 10:14 CST ON APR 4	5.71 ON APR 4	0B ON MAR 1	4 870	1980
1981	0.815 AT 07:47 CST ON JUL 15	0.861 ON JUL 15	0B ON MAR 2	411	1981
1982	51.4 B AT 23:35 CST ON APR 18	47.4 B ON APR 17	0B ON MAR 1	21 200	1982
1983	29.3 AT 08:48 CST ON APR 19	26.5 ON APR 19	0B ON MAR 1	20 700	1983
1984	5.40 AT 18:06 CST ON MAR 28	5.03 ON MAR 29	0B ON MAR 1	2 880	1984
1985	12.3 B AT 11:27 CST ON MAR 20	7.88 B ON MAR 20	0B ON MAR 1	7 080	1985
1986	3.92 AT 12:06 CST ON MAR 19	1.89 ON MAR 19	0B ON MAR 1	3 020	1986
1987	1.82 B AT 12:43 CST ON MAR 30	1.36 B ON MAR 30	0B ON MAR 1	1 480	1987
1988	0.010 AT 11:38 CST ON MAY 8	0.009 ON MAY 8	0B ON MAR 1	13.8	1988
				9 890	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

WATERFOUND RIVER BELOW THERIAU LAKE - STATION NO. 07LB002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1973	---	---	---	---	---	---	---	---	21.5	19.6	---	---	---	1973
1974	---	---	---	---	---	18.0	21.9	21.4	21.0	19.4	18.3	19.1	---	1974
1975	18.5	17.5	16.9	16.2	19.0	20.4	25.3	26.1	22.4	19.6	18.2	17.3	19.6	1975
1976	18.8	18.9	18.6	18.6	19.1	19.7	22.3	27.9	32.4	35.4	33.0	26.6	23.6	1976
1977	25.9	23.7	21.9	22.7	28.4	---	---	---	40.2	32.4	26.0	23.1	---	1977
1978	21.9	20.3	19.3	20.9	27.1	31.2	28.6	28.9	28.4	26.9	24.7	22.1	24.7	1978
1979	21.1	19.8	18.7	20.7	23.9	28.6	24.2	21.8	22.0	24.6	26.1	23.7	22.8	1979
1980	22.6	20.7	19.4	19.2	20.3	19.6	20.3	21.9	20.6	21.6	23.0	22.9	21.0	1980
1981	22.6	20.4	19.7	19.9	25.7	26.4	24.3	20.1	15.1	13.1	11.6	12.1	19.3	1981
1982	11.5	11.5	11.8	12.1	17.2	22.4	22.1	22.7	23.5	19.3	16.8	16.5	17.3	1982
1983	18.5	18.2	18.3	18.5	18.4	20.3	20.0	18.5	22.2	21.6	21.6	20.7	19.2	1983
1984	20.1	19.8	18.3	20.6	23.8	26.9	24.7	22.1	19.1	17.1	17.1	17.2	20.8	1984
1985	18.8	18.3	18.7	18.0	24.1	28.8	28.5	28.0	26.5	28.9	24.9	23.3	22.8	1985
1986	22.0	21.2	20.0	19.8	27.1	33.2	38.6	38.3	32.5	27.0	24.1	22.5	28.8	1986
1987	21.8	21.0	21.0	20.6	24.2	24.2	20.6	18.0	14.7	13.6	13.5	13.6	18.7	1987
1988	13.8	13.8	14.2	14.8	17.8	22.6	27.6	28.4	26.9	23.3	22.2	22.4	20.7	1988
MEAN	19.4	18.5	18.0	18.5	22.7	24.2	24.7	24.1	24.3	22.7	21.4	20.4	21.4	MEAN

LOCATION - LAT 58 23 10 N, LONG 104 36 30 W DRAINAGE AREA, 3 160 km^2, NATURAL FLOW

WATERFOUND RIVER BELOW THERIAU LAKE - STATION NO. 07LB002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1973	---	---	---	---	1973
1974	---	23.1 ON JUL 20	---	---	1974
1975	---	27.9 ON JUL 25	15.8 ON APR 10	525 000	1975
1976	38.5 AT 07:54 CST ON OCT 25	36.5 ON OCT 24	15.9 ON APR 11	753 000	1976
1977	---	---	---	---	1977
1978	32.6 AT 17:15 CST ON JUN 2	32.0 ON MAY 28	15.8 ON MAR 4	780 000	1978
1979	28.7 AT 03:33 CST ON JUN 4	26.2 ON JUN 4	19.2 ON APR 4	720 000	1979
1980	23.9 AT 03:24 CST ON DEC 17	23.8 ON DEC 17	15.8E ON APR 3	585 000	1980
1981	28.9 AT 14:58 CST ON MAY 31	26.8 ON JUN 3	11.4 ON NOV 16	607 000	1981
1982	28.6 AT 12:03 CST ON SEP 20	26.3A ON SEP 20	11.2 ON JAN 21 *	545 000	1982
1983	25.7 AT 16:28 CST ON SEP 23	24.7 ON SEP 23	15.8 ON MAR 28	605 000	1983
1984	27.2 AT 09:46 CST ON JUN 8	26.8 ON JUN 8	15.6 ON NOV 2	647 000	1984
1985	30.2 AT 22:20 CST ON SEP 10	30.1 ON SEP 10	15.0 ON FEB 16	723 000	1985
1986	40.6 AT 21:26 CST ON JUL 3 *	38.2 ON JUL 3 *	16.8 ON APR 10	848 000	1986
1987	27.1 AT 00:55 CST ON MAY 28	25.8 ON MAY 28	13.2 ON NOV 19	590 000	1987
1988	28.6 AT 18:52 CST ON AUG 24	28.2 ON AUG 23	13.4 ON JAN 14	658 000	1988
				674 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

WATERHEN RIVER ABOVE BEAVER RIVER - STATION NO. 05AF005

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1973	7.88	8.11	10.1	17.2	24.3	30.7	40.1	39.2	44.5	45.4	37.6R	32.9 R	26.3R	1973
1974	26.3 R	24.4 R	22.9	48.1	76.5	91.9	61.9	58.1	62.0	54.4	46.5	41.6	54.0R	1974
1975	35.1 R	30.9 R	22.5	32.3	41.2	44.2	47.7	55.3	48.4	44.0	36.6	31.3	37.5R	1975
1976	19.3	20.0	17.0	25.2	24.1	21.5	24.6	25.3	27.7	27.3	22.3	13.7	22.3	1976
1977	10.6	13.6	8.75	15.7	20.4	16.2	15.6	21.2	22.2	21.3	14.3	7.98	15.9	1977
MEAN	20.2 R	17.4 R	16.5	27.3	37.7	41.3	42.0	41.6	41.0	38.5	31.1R	23.5 R	31.5R	MEAN

LOCATION - LAT 54 39 00 N LONG 107 51 20 W DRAINAGE AREA, 11 100 km^2 NATURAL FLOW R - REVISED SINCE JAN 01 1987

WATERHEN RIVER ABOVE BEAVER RIVER - STATION NO. 05AF005

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1973	55.5 AT 19:03 CST ON JUL 3	54.1 ON JUL 3	7.55S ON JAN 1	891 000R	1973
1974	---	88.5E ON JUN 17 *	19.0 S ON MAR 19	1 700 000R	1974
1975	80.3 AT 02:18 CST ON AUG 12 *	80.3 ON AUG 12	15.2 S ON DEC 16	1 180 000R	1975
1976	34.3 AT 17:51 CST ON JUL 15	34.3 ON JUL 15	8.23S ON DEC 28	708 000	1976
1977	26.3 AT 15:26 CST ON MAY 29	26.1 ON MAY 29	5.10S ON DEC 5 *	501 000	1977
				898 000R	MEAN

S - ICE CONDITIONS E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD R - REVISED SINCE JAN 01 1987

WATERHEN RIVER NEAR GOODSOIL - STATION NO. 05AF005

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1967	---	---	7.32	7.70	11.4	13.3	12.4	11.1	8.25	8.04	---	---	---	1967
1968	---	---	2.85	2.52	2.95	2.95	2.88	3.88	4.27	5.53	5.45	4.37	---	1968
1969	3.70	3.03	5.07	6.76	18.1	17.6	16.5	15.1	11.5	10.5	9.38	6.02	10.5	1969
1970	7.30	7.07	7.70	11.4	17.5	17.3	37.1	43.8	42.2	38.4	32.3	28.4	24.2	1970
1971	26.0	23.5	20.9	22.5	28.3	28.5	32.5	34.4	27.7	20.0	13.5	10.4	24.3	1971
1972	9.25	8.89	10.1	12.3	21.0	21.9	19.2	17.5	13.5	10.7	8.83	8.55	13.3	1972
1973	8.15	8.95	8.22	7.15	12.4	21.1	27.5	33.3	33.4	33.5	32.5	30.1	20.5	1973
1974	28.1	27.9	26.4	28.7	72.5	92.2	77.9	59.9	48.5	38.5	32.7	25.5	48.7	1974
1975	21.5	21.0	20.4	21.1	28.1	38.5	47.2	41.2	38.4	32.5	26.1	20.7	29.5	1975
1976	19.0	17.9	16.5	17.2	17.7	17.5	18.9	25.7	28.1	22.3	17.5	13.1	19.2	1976
1977	12.0	12.2	11.4	12.1	17.0	21.5	21.4	21.5	16.5	15.7	12.0	10.2	15.5	1977
1978	11.2	11.5	10.5	10.3	15.5	27.4	24.3	16.5	17.1	15.2	10.1	7.74	15.1	1978
1979	5.80	5.25	5.42	7.44	12.3	15.4	25.1	21.5	19.0	17.7	14.7	12.2	14.0	1979
1980	10.5	10.3	9.59	10.5	12.1	11.5	10.3	10.5	13.3	17.5	17.5	15.2	12.5	1980
1981	15.5	14.5	13.9	14.5	14.3	12.5	11.4	9.47	8.52	4.59	3.89	2.55	10.3	1981
1982	1.52	1.74	2.64	3.85	5.84	10.5	15.0	15.7	14.5	12.5	10.2	5.43	5.70	1982
1983	7.75	7.75	7.45	8.32	9.36	8.32	11.2	11.1	10.2	5.40	5.03	7.42	5.79	1983
1984	5.84	5.05	5.02	7.30	9.01	10.3	15.5	15.5	12.5	10.5	5.52	7.20	10.5	1984
1985	5.34	5.81	5.15	7.04	10.4	15.5	15.5	13.4	12.2	10.0	7.99	5.26	5.82	1985
1986	5.07	5.55	5.42	5.37	5.55	12.0	15.0	27.7	25.1	21.9	15.3	15.5	14.2	1986
1987	14.5	13.0	12.0	14.0	17.5	15.0	17.9	15.3	14.7	11.5	7.55	5.34	13.7	1987
1988	4.38	4.70	5.30	5.52	5.57	5.45	11.1	15.3	25.4	24.0	20.2	15.5	12.4	1988
MEAN	11.3	10.9	10.0	11.3	15.5	20.5	22.5	22.2	20.0	17.5	15.1	12.5	15.7	MEAN

LOCATION - LAT 54 26 45 N LONG 109 13 21 W DRAINAGE AREA, 7 780 km^2 NATURAL FLOW

WATERHEN RIVER NEAR GOODSOIL - STATION NO. 05AF005

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1967	---	---	---	---	1967
1968	7.28 AT 20:00 CST ON OCT 28	6.68 ON OCT 28	---	---	1968
1969	18.8 AT 16:00 CST ON JUN 10	18.5 ON JUN 10	3.28 B ON JAN 15	338 000	1969
1970	48.1 AT 03:45 CST ON AUG 18	46.7 ON AUG 18	8.43 B ON MAR 1	782 000	1970
1971	37.1 AT 15:05 CST ON JUL 26	36.6 ON JUL 26	9.37 B ON DEC 31	787 000	1971
1972	24.5 AT 17:32 CST ON JUN 1	23.5 ON JUN 1	6.12 A ON DEC 20	422 000	1972
1973	36.0 AT 08:07 CST ON AUG 15	35.7 ON AUG 14	5.86 ON MAR 1	859 000	1973
1974	100 AT 01:18 CST ON JUN 13 *	98.6 ON JUN 13 *	23.3 ON APR 12	1 470 000	1974
1975	51.8 AT 18:42 CST ON JUL 4	51.0 ON JUL 4	18.5 ON DEC 24	940 000	1975
1976	28.3 AT 22:48 CST ON AUG 17	27.8 ON AUG 18	12.1 E ON DEC 31	808 000	1976
1977	24.0 AT 18:22 CST ON AUG 8	23.3 ON AUG 8	8.83 ON DEC 10	490 000	1977
1978	30.0 AT 19:25 CST ON JUN 24	28.8 ON JUN 25	7.18 ON DEC 29	477 000	1978
1979	28.4 AT 00:07 CST ON JUL 22	27.5 ON JUL 22	6.24 E ON FEB 8	442 000	1979
1980	20.4 AT 15:28 CST ON OCT 28	19.1 ON OCT 29	8.42 ON MAR 20	400 000	1980
1981	16.1 AT 00:00 CST ON JAN 1	16.0 ON JAN 1	0.850E ON OCT 27 *	326 000	1981
1982	17.3 AT 21:11 CST ON AUG 6	16.7 ON AUG 4	1.48 B ON FEB 7	274 000	1982
1983	12.8 AT 05:53 CST ON JUL 27	12.5 ON JUL 27	6.89 ON DEC 23	277 000	1983
1984	20.5 AT 14:53 CST ON JUN 30	18.7 ON JUL 22	5.76 B ON FEB 28	332 000	1984
1985	18.8 AT 17:58 CST ON JUN 24	17.8 ON JUL 3	5.24 B ON FEB 11	310 000	1985
1986	28.8 AT 11:31 CST ON AUG 15	28.6 ON AUG 15	5.09 B ON MAR 7	451 000	1986
1987	22.2 AT 16:08 CST ON JUN 1	20.2 ON JUN 13	6.04 ON DEC 31	432 000	1987
1988	27.0 AT 16:55 CST ON SEP 29	26.3 ON SEP 22	3.86 B ON JAN 13	391 000	1988
				526 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

WATHAMAN RIVER BELOW WATHAMAN LAKE - STATION NO. 05DC001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1971	---	---	---	---	---	---	---	85.6	86.6	105	89.1	88.6	---	1971
1972	---	---	---	---	---	---	86.0	61.6	41.8	86.6	89.1	62.6	---	1972
1973	38.6	32.3	27.7	27.8	58.4	---	---	---	73.1	53.4	50.6	46.3	---	1973
1974	37.3	31.6	28.0	32.7	88.7	73.6	---	---	117	102	---	---	---	1974
1975	---	---	---	---	---	109	200	138	81.8	84.0	---	---	---	1975
1976	---	---	25.4	30.8	48.3	53.3	159	248	159	118	86.0	67.7	---	1976
1977	50.2	40.1	33.7	60.5	157	215	159	109	89.2	89.6	74.0	62.7	84.5	1977
1978	39.1	30.3	25.3	23.7	141	206	142	130	187	145	102	71.2	102	1978
1979	50.4	38.7	32.2	28.9	71.7	127	127	118	85.5	104	103	74.9	81.1	1979
1980	53.6	41.4	32.4	41.1	70.6	45.3	36.8	44.2	45.0	85.4	66.6	48.5	49.5	1980
1981	37.4	30.7	27.0	25.7	86.2	81.7	53.6	35.1	26.1	24.6	23.9	23.6	40.5	1981
1982	19.2	15.7	14.0	15.4	90.6	117	66.7	75.2	66.2	50.2	38.2	32.3	52.2	1982
1983	27.6	23.6	21.4	24.4	53.2	110	92.6	76.3	103	129	66.6	63.0	67.5	1983
1984	43.6	35.1	29.2	53.1	94.1	77.3	62.0	50.1	36.6	34.6	40.6	39.2	48.9	1984
1985	32.1	27.1	25.0	26.6	172	123	116	77.7	60.7	66.3	55.6	36.9	70.6	1985
1986	39.1	24.2	21.6	29.2	134	155	105	121	76.7	67.4	45.6	36.6	70.1	1986
1987	29.6	25.3	23.0	26.6	66.6	64.6	42.6	30.1	26.0	22.6	20.6	16.9	33.6	1987
1988	14.2	12.5	11.6	12.2	64.4	76.0	77.1	64.5	66.1	53.3	50.5	45.9	44.1	1988
MEAN	36.0	28.2	25.2	30.7	93.2	109	102	90.6	78.6	75.1	63.6	48.6	63.0	MEAN

LOCATION - LAT 57 05 20 N, LONG 103 42 40 W
DRAINAGE AREA, 10 200 km^2
NATURAL FLOW

WATHAMAN RIVER BELOW WATHAMAN LAKE - STATION NO. 05DC001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1971	---	---	---	---	1971
1972	---	---	---	---	1972
1973	---	---	---	---	1973
1974	---	---	---	---	1974
1975	211 AT 08:38 CST ON JUL 6	210 ON JUL 6	---	---	1975
1976	317 AT 19:20 CST ON JUL 31 *	317 ON AUG 1 *	23.9 ON APR 4	---	1976
1977	---	238 ON JUN 12	30.6 ON APR 7	2 980 000	1977
1978	237 AT 21:14 CST ON MAY 31	236 ON MAY 31	22.6 ON APR 23	3 230 000	1978
1979	147 AT 19:57 CST ON JUL 19	146 ON JUL 25	27.6 ON APR 11	2 660 000	1979
1980	79.0 AT 18:20 CST ON MAY 7	78.8 ON MAY 6	29.0 ON APR 10	1 570 000	1980
1981	---	125 E ON MAY 20	23.1E ON OCT 9	1 280 000	1981
1982	125 AT 14:14 CST ON JUN 11	124 ON JUN 11	13.8E ON MAR 21	1 650 000	1982
1983	164 AT 15:24 CST ON SEP 30	163 ON SEP 30	18.7 ON APR 6	2 140 000	1983
1984	99.6 AT 23:13 CST ON MAY 6	99.3 ON MAY 2	28.9 ON APR 3	1 580 000	1984
1985	221 AT 11:58 CST ON MAY 20	218 ON MAY 20	23.5 ON APR 12	2 220 000	1985
1986	213 AT 18:55 CST ON MAY 29	211 ON MAY 26	20.5 ON APR 2	2 210 000	1986
1987	77.6 AT 18:43 CST ON MAY 25	76.0 ON MAY 21	18.2 ON DEC 31	1 060 000	1987
1988	81.6 AT 17:32 CST ON JUL 21	80.7 ON JUL 21	11.6 ON MAR 24 *	1 390 000	1988
				1 980 000	MEAN

E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

WEST FORK POPLAR RIVER AT INTERNATIONAL BOUNDARY - STATION NO. 11AE002

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1931	---	---	0.080	0.028	0.013	0.006	0.001	0	0.001	0.005	---	---	0.014	1931
1932	---	---	0.323	0.059	0.016	0.010	0.003	0	0.004	0.004	---	---	0.059	1932
1933	---	---	0.557	0.137	0.031	0.034	0.033	0.054	0.014	0.008	---	---	0.108	1933
1934	---	---	0.065	0.136	0.064	0.004	0	0	0.001	0.008	---	---	0.027	1934
1935	---	---	0.011	0.080	0.015	0.020	0.006	0	0.002	0.006	---	---	0.017	1935
1936	---	---	0	0.735	0.031	0.009	0.001	0	0	0.003	---	---	0.088	1936
1937	---	---	0.011	0.044	0.008	0.009	0.009	0.003	0	0.006	---	---	0.011	1937
1938	---	---	1.57	0.121	0.022	0.058	0.021	0	0.005	0.007	---	---	0.227	1938
1939	---	---	3.92	0.083	0.035	0.383	0.007	0	0.001	0.006	---	---	0.558	1939
1940	---	---	0.006	0.472	0.081	0.022	0.012	0.008	0.003	0.011	---	---	0.073	1940
1941	---	---	0.553	0.051	0.010	0.012	0.004	0.001	0.004	0.008	---	---	0.084	1941
1942	---	---	0.183	0.222	0.022	0.038	0.018	0.018	0.052	0.014	---	---	0.071	1942
1943	---	---	1.88	1.15	0.018	0.221	0.021	0.001	0.001	0.010	---	---	0.388	1943
1944	---	---	0.019	0.312	0.020	0.033	0.006	0.010	0.008	0.006	---	---	0.051	1944
1945	---	---	1.00	0.057	0.011	0.011	0.006	0	0.002	0.009	---	---	0.139	1945
1946	---	---	0.786	0.044	0.003	0.007	0.002	0	0.003	0.008	---	---	0.107	1946
1947	---	---	0	0.188	0.018	0.084	0.029	0.159	0.013	0.010	---	---	0.085	1947
1948	---	---	0.180	1.48	0.030	0.013	0.052	0.009	0.001	0.007	---	---	0.219	1948
1949	---	---	0.060	0.070	0.008	0.008	0.003	0.002	0	0.008	---	---	0.022	1949
1950	---	---	0	5.15	0.124	0.078	0.007	0.004	0.008	0.010	---	---	0.535	1950
1951	---	---	---	3.44	0.212	0.013	0.007	0.001	0.042	0.018	---	---	---	1951
1952	---	---	0.002	5.43	0.014	0.005	0.185	0.005	0.006	0.006	---	---	1.16	1952
1975	---	---	---	---	---	---	---	---	---	---	---	---	---	1975
MEAN	---	---	0.530	0.978	0.033	0.048	0.018	0.013	0.008	0.008	---	---	0.193	MEAN

LOCATION - LAT 49 00 00 N, LONG 106 22 00 W
DRAINAGE AREA, 378 km²
NATURAL FLOW

WEST FORK POPLAR RIVER AT INTERNATIONAL BOUNDARY - STATION NO. 11AE002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1931	0.268 ON MAR 21	0.268 ON MAR 21	0 ON JUN 18 *	301	1931
1932	1.83 AT 00:30 MST ON MAR 24	1.81 ON MAR 24	0E ON MAR 1	1 250	1932
1933	3.26 B ON MAR 18	2.32 B ON MAR 17	0B ON MAR 1	2 310	1933
1934	---	0.425B ON MAR 25	0B ON MAR 1	573	1934
1935	---	0.283 ON APR 18	0B ON MAR 1	385	1935
1936	11.0 AT 17:00 MST ON APR 14	4.45 ON APR 14	0B ON MAR 1	2 030	1936
1937	---	0.130 ON APR 12	0 ON JUN 28	238	1937
1938	---	7.08 B ON MAR 16	0B ON MAR 1	4 800	1938
1939	106 AT 15:30 MST ON MAR 23	40.8 ON MAR 24	0 ON MAR 1	11 800	1939
1940	20.8 AT 22:00 MST ON APR 19	3.71 B ON APR 19	0 ON AUG 28	1 550	1940
1941	5.48 AT 10:00 MST ON MAR 27	3.45 ON MAR 27	0 ON JUL 21	1 880	1941
1942	2.04 AT 12:30 MST ON APR 4	1.17 ON APR 3	0 ON AUG 11	1 510	1942
1943	---	18.3 ON MAR 29	0B ON MAR 1	8 210	1943
1944	---	2.12 B ON APR 2	0B ON MAR 1	1 080	1944
1945	---	4.98 B ON MAR 15	0B ON MAR 1	2 940	1945
1946	8.37 AT 08:30 MST ON MAR 24	3.68 ON MAR 21	0 ON MAR 1	2 270	1946
1947	8.24 AT 01:30 MST ON AUG 23	3.54 ON AUG 23	0B ON MAR 1	1 370	1947
1948	14.8 AT 12:30 MST ON APR 18	7.08 B ON APR 18	0B ON MAR 1	4 830	1948
1949	0.934B AT 14:30 MST ON MAR 28	0.706B ON MAR 31	0B ON MAR 1	458	1949
1950	---	35.4 B ON APR 17	0B ON MAR 1	11 300	1950
1951	---	16.5 B ON APR 28	0B ON APR 1	---	1951
1952	184 AT 21:00 MST ON APR 14 *	85.5 ON APR 14 *	0B ON MAR 1	25 000	1952
1975	---	---	---	---	1975
				4 080	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

WHEELER RIVER BELOW RUSSELL LAKE - STATION NO. 05DA005

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1973	---	---	---	---	---	---	---	---	---	---	17.0	18.2	---	1973
1974	22.3	22.4	18.7	---	---	---	---	---	19.8	19.4	18.2	18.3	---	1974
1975	18.4	17.1	16.8	15.2	23.2	23.8	---	---	---	21.4	20.2	---	---	1975
1976	---	---	---	---	---	17.0	27.0	34.8	38.7	37.0	33.3	28.2	---	1976
1977	26.9	25.7	21.0	23.7	30.6	36.8	35.1	30.2	28.4	28.0	23.8	22.8	27.8	1977
1978	24.8	23.8	21.8	19.7	27.3	28.7	24.8	25.8	28.8	30.8	27.2	24.8	25.5	1978
1979	27.2	26.1	24.7	21.0	26.3	27.7	26.2	24.8	23.1	23.8	24.8	21.8	24.7	1979
1980	18.0	16.7	13.8	14.1	19.3	17.2	16.3	16.8	15.4	16.9	18.3	18.8	18.3	1980
1981	18.7	17.4	17.1	17.8	24.8	21.3	16.8	11.4	8.83	9.44	11.1	11.8	15.3	1981
1982	10.0	8.83	8.30	10.3	22.2	28.8	21.3	23.0	21.8	18.7	17.0	17.4	17.1	1982
1983	16.9	16.8	16.5	17.1	20.6	25.8	20.3	16.8	16.0	19.3	19.8	18.4	18.7	1983
1984	18.1	16.9	16.8	20.3	22.7	21.4	16.8	13.8	12.0	13.3	16.2	14.9	16.8	1984
1985	16.1	14.8	15.4	16.8	28.8	26.4	23.0	16.8	17.7	18.7	17.2	16.0	18.8	1985
1986	16.1	16.3	16.2	16.5	25.3	24.1	23.4	21.8	17.3	16.8	16.1	16.1	18.8	1986
1987	14.7	14.8	15.1	16.0	22.8	18.0	12.4	9.80	10.1	8.67	10.5	10.1	13.9	1987
1988	11.0	11.2	12.3	13.4	19.3	22.4	20.4	16.4	15.7	15.2	16.1	14.8	15.8	1988
MEAN	18.1	17.8	16.8	17.3	24.1	23.8	21.8	20.1	18.8	18.8	18.1	17.8	18.1	MEAN

LOCATION - LAT 57 28 40 N, LONG 104 58 50 W
DRAINAGE AREA, 3 030 km²
NATURAL FLOW

REMARKS - PRIOR TO 1976, RECORDS WERE PUBLISHED UNDER STATION NO. 07LA003

WHEELER RIVER BELOW RUSSELL LAKE - STATION NO. 06DA005

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1973	---	---	---	---	1973
1974	---	---	---	---	1974
1975	---	---	---	---	1975
1976	43.3 AT 02:05 CST ON SEP 10 *	43.0 ON SEP 9 *	---	---	1976
1977	37.7 AT 22:53 CST ON JUL 19	37.7 ON JUL 20	18.8 ON APR 11	871 000	1977
1978	32.8 AT 11:52 CST ON OCT 16	32.8 ON SEP 26	19.1 ON APR 8	814 000	1978
1979	31.7 AT 00:25 CST ON MAY 30	31.1 ON MAY 29	19.8 ON APR 17	780 000	1979
1980	---	20.2 ON JAN 1	12.6 B ON APR 7	515 000	1980
1981	27.1 AT 21:51 CST ON MAY 20	27.0 ON MAY 19	7.89 ON OCT 9	481 000	1981
1982	27.3 AT 09:16 CST ON JUN 8	27.0 ON JUN 15	8.308 ON FEB 28	536 000	1982
1983	28.8 AT 21:27 CST ON JUN 16	28.4 ON JUN 17	14.5 B ON MAR 7	590 000	1983
1984	24.4 AT 18:11 CST ON APR 23	24.2 ON APR 24	9.34 ON SEP 8	525 000	1984
1985	33.7 AT 09:42 CST ON MAY 18	32.6 ON MAY 18	14.2 B ON FEB 15	583 000	1985
1986	28.2 AT 22:47 CST ON JUN 2	28.0 ON MAY 27	14.1 ON SEP 28	581 000	1986
1987	---	27.0E ON APR 28	7.86 ON OCT 24 *	439 000	1987
1988	24.8 AT 21:03 CST ON JUN 18	24.6 ON JUN 20	10.6 B ON JAN 5	484 000	1988
				803 000	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

WHITE FOX RIVER NEAR GARRICK - STATION NO. 05KE005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1970	---	---	---	---	---	---	---	---	0.018	0.001	---	---	---	1970
1971	---	---	0.034	13.6	0.781	1.63	4.41	1.27	0.008	0.002	---	---	2.71	1971
1972	---	---	0	27.5	10.3	0.448	0.006	0	0	0	---	---	4.72	1972
1973	---	---	0.051	4.34	0.743	28.3	11.6	1.83	1.37	1.28	---	---	5.88	1973
1974	---	---	0.082	40.7	18.1	8.88	1.10	0.308	0.088	0.285	---	---	8.35	1974
1975	---	---	0.028	7.81	10.0	4.74	0.777	0.048	0	0	---	---	2.88	1975
1976	---	---	0.018	4.18	0.188	0.145	0.170	0.027	0	0	---	---	0.578	1976
1977	---	---	0	0	0.183	1.05	0.198	0.043	0.135	0.198	---	---	0.224	1977
1978	---	---	0	13.4	3.88	0.700	0.088	0.109	0.152	0.193	---	---	2.26	1978
1979	---	---	0	25.6	20.9	8.85	1.08	0.008	0	0	---	---	8.73	1979
1980	---	---	0	4.12	0.122	0.015	0.018	0.008	0	0.002	---	---	0.526	1980
1981	---	---	0.025	0.531	0.154	0.088	0.018	0.002	0	0	---	---	0.097	1981
1982	---	---	0	7.63	0.792	0.129	0.037	0.088	0.254	0.340	---	---	1.14	1982
1983	---	---	0	10.4	4.15	1.21	1.00	0.313	0.087	0.225	---	---	2.18	1983
1984	---	---	0	13.8	10.4	8.47	0.948	0.040	0.015	0.188	---	---	4.23	1984
1985	---	---	0.008	48.2	12.3	7.88	2.55	0.224	0.088	0.074	---	---	8.83	1985
1986	---	---	0.008	5.40	3.28	0.450	0.020	0.017	0.007	0.002	---	---	1.28	1986
1987	---	---	0	3.42	0.293	0.127	0.318	0.522	0.184	0.208	---	---	0.823	1987
1988	---	---	0	7.18	0.858	0.073	0.017	0	0	0	---	---	0.981	1988
MEAN	---	---	0.013	13.3	5.38	3.80	1.34	0.262	0.127	0.158	---	---	3.01	MEAN

LOCATION - LAT 53 25 20 N
LONG 104 20 30 W
DRAINAGE AREA, 1 870 km^2
NATURAL FLOW

WHITE FOX RIVER NEAR GARRICK - STATION NO. 05KE005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1970	---	---	0 ON SEP 18 *	---	1970
1971	41.9 AT 05:40 CST ON APR 17	41.3 ON APR 17	0 ON MAY 31	57 400	1971
1972	131 AT 22:20 CST ON APR 26	128 ON APR 26	0B ON MAR 1	100 000	1972
1973	82.4 AT 13:38 CST ON JUN 8	82.1 ON JUN 8	0B ON MAR 1	124 000	1973
1974	188 AT 22:02 CST ON APR 21 *	180 ON APR 21 *	0 ON AUG 30	178 000	1974
1975	28.8 AT 20:00 CST ON APR 28	27.4 ON APR 28	0 ON AUG 7	81 100	1975
1976	18.1 AT 03:10 CST ON APR 10	17.4 ON APR 10	0 ON AUG 7	12 300	1976
1977	---	1.42 ON JUN 8	0B ON MAR 1	4 730	1977
1978	87.8B AT 18:28 CST ON APR 21	88.1 ON APR 22	0B ON MAR 1	47 700	1978
1979	110 AT 03:28 CST ON APR 26	108 ON APR 26	0B ON MAR 1	142 000	1979
1980	---	15.5 B ON APR 14	0B ON MAR 1	11 100	1980
1981	---	1.008 ON APR 1	0B ON MAR 1	2 080	1981
1982	30.0 AT 05:24 CST ON APR 21	29.2 ON APR 21	0B ON MAR 1	24 100	1982
1983	43.7 AT 09:17 CST ON APR 24	43.0 ON APR 24	0B ON MAR 1	48 700	1983
1984	58.0 AT 02:12 CST ON APR 10	52.8 ON APR 11	0B ON MAR 1	89 800	1984
1985	137 AT 05:28 CST ON APR 22	135 ON APR 22	0B ON MAR 1	189 000	1985
1986	22.1B AT 05:54 CST ON APR 7	20.3 B ON APR 8	0 ON AUG 24	28 700	1986
1987	---	16.7 B ON APR 8	0B ON MAR 1	13 200	1987
1988	18.0B AT 18:55 CST ON APR 12	16.6 B ON APR 12	0B ON MAR 1	20 300	1988
				63 700	MEAN

B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

WHITE FOX RIVER NEAR WHITE FOX - STATION NO. 05KE001

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1941	---	---	0	0.040	0.049	0.041	0	0	0	0	---	---	0.018	1941
1942	---	---	0	1.75	0.223	1.27	10.7	1.15	0.185	0.113	---	---	1.93	1942
1943	---	---	0	10.3	2.04	0.454	0.525	0.442	0.018	0.030	---	---	1.71	1943
1944	---	---	0	0.877	1.88	0.244	0.952	1.09	1.85	3.54	---	---	1.30	1944
1945	---	---	0.115	3.70	8.34	8.09	3.28	0.210	0.048	0.138	---	---	2.74	1945
1985	---	---	---	10.4	1.28	0.519	---	---	---	---	---	---	---	1985
1986	---	---	---	---	5.23	---	---	---	---	---	---	---	---	1986
1987	---	---	---	---	4.12	0.037	---	---	---	---	---	---	---	1987
1988	---	---	---	13.1	---	---	---	---	---	---	---	---	---	1988
1970	---	---	---	18.5	---	---	---	---	---	---	---	---	---	1970
MEAN	---	---	0.023	7.43	2.81	1.24	3.08	0.598	0.419	0.784	---	---	1.54	MEAN

LOCATION - LAT 53 27 11 N
LONG 104 08 28 W
DRAINAGE AREA, 2 330 km²
NATURAL FLOW
DATA CONTRIBUTED BY - SASKATCHEWAN DEPARTMENT OF THE ENVIRONMENT

WHITE FOX RIVER NEAR WHITE FOX - STATION NO. 05KE001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1941	---	0.113 ON APR 18	0E ON MAR 1 *	342	1941
1942	---	37.7 ON JUL 21 *	0E ON MAR 1	40 900	1942
1943	---	35.1 ON APR 21	0E ON MAR 1	36 100	1943
1944	---	5.78 E ON OCT 12	0E ON MAR 1	37 500	1944
1945	---	18.8 ON MAY 6	0E ON MAR 1	68 100	1945
1985	---	---	---	---	1985
1986	---	---	---	---	1986
1987	---	---	---	---	1987
1988	---	---	---	---	1988
1970	---	---	---	---	1970
				32 600	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

WHITE RESERVOIR OUTFLOW - STATION NO. 05HF020

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1968	---	---	0	0	0	0	0	0	0	0	---	---	0	1968
1969	---	---	0	0.018R	0	0	0	0	0	0	---	---	0.002R	1969
1970	---	---	0	0.033R	0	0	0	0	0	0	---	---	0.004R	1970
1971	---	---	0	0.001R	0	0	0	0	0	0	---	---	0 R	1971
1972	---	---	0	0	0	0	0	0	0	0	---	---	0	1972
1973	---	---	0	0	0	0	0	0	0	0	---	---	0	1973
1974	---	---	0	0	0.008R	0.003R	0R	0	0	0	---	---	0.001R	1974
1975	---	---	0	0.024R	0.001R	0	0	0	0	0	---	---	0.003R	1975
1976	---	---	0	0.002R	0 R	0	0	0	0	0	---	---	0 R	1976
1977	---	---	0	0	0	0	0	0	0	0	---	---	0	1977
1978	---	---	0	0	0	0	0	0	0	0	---	---	0	1978
1979	---	---	0	0	0	0	0	0	0	0	---	---	0	1979
MEAN	---	---	0	0.007R	0.001R	0 R	0R	0	0	0	---	---	0.001R	MEAN

LOCATION - LAT 51 25 10 N
LONG 108 23 47 W
REGULATED
R - REVISED SINCE JAN 01 1987

WHITE RESERVOIR OUTFLOW - STATION NO. 05HF020

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1968	0 R AT 00:00 CST ON MAR 1	0 ON MAR 1	0 ON MAR 1 *	0	1968
1969	0.436 AT 20:00 CST ON APR 11	0.180RB ON APR 11	0B ON MAR 1	47.9 R	1969
1970	0.877 AT 18:00 CST ON APR 7 *	0.212R ON APR 10 *	0B ON MAR 1	86.2 R	1970
1971	0.007 AT 20:34 CST ON APR 15	0.004R ON APR 15	0 ON MAR 1	1.68R	1971
1972	0 AT 00:00 CST ON MAR 1	0 ON MAR 1	0 ON MAR 1	0	1972
1973	0 AT 00:00 CST ON MAR 1	0 ON MAR 1	0 ON MAR 1	0	1973
1974	0.184 AT 18:00 CST ON JUN 28	0.084R ON JUN 28	0 ON MAR 1	24.6 R	1974
1975	0.2108 AT 12:50 CST ON APR 30	0.144R ON APR 30	0B ON MAR 1	83.9 R	1975
1976	0.016 AT 18:00 CST ON APR 7	0.013R ON APR 7	0B ON MAR 1	3.38R	1976
1977	0 AT 00:00 CST ON MAR 1	0 ON MAR 1	0 ON MAR 1	0	1977
1978	0 AT 00:00 CST ON MAR 1	0 ON MAR 1	0 ON MAR 1	0	1978
1979	---	0 ON MAR 1	0 ON MAR 1	0	1979
				18.9 R	MEAN

B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD
R - REVISED SINCE JAN 01 1987

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1968	---	---	0.002	0	0	0	0	0	0	0	---	---	0	1968
1969	---	---	0	0.014R	0	0	0	0	0	0	---	---	0.002R	1969
1970	---	---	0	0.008	0	0	0	0	0	0	---	---	0.001	1970
1971	---	---	0	0.001	0	0	0	0	0	0	---	---	0	1971
1972	---	---	0	0	0	0	0	0	0	0	---	---	0	1972
1973	---	---	0.001	0	0	0	0	0	0	0	---	---	0	1973
1974	---	---	0	0.010	0	0	0	0	0	0	---	---	0.001	1974
1975	---	---	0	0.013	0	0	0	0	0	0	---	---	0.002	1975
1976	---	---	0.001	0.018	0	0	0	0	0	0	---	---	0.002	1976
1977	---	---	0	0	0.001	0	0	0	0	0	---	---	0	1977
1978	---	---	0	0	0	0	0	0	0	0	---	---	0	1978
1979	---	---	0	0.001	0	0	0	0	0	0	---	---	0	1979
MEAN	---	---	0	0.005R	0	0	0	0	0	0	---	---	0.001R	MEAN

LOCATION - LAT 51 25 15 N DRAINAGE AREA, 0.52 km²
LONG 108 22 53 W NATURAL FLOW

R - REVISED SINCE JAN 01 1987

WHITE TRIBUTARY NEAR FISKE - STATION NO. 05HF011

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1968	---	0.017 ON MAR 1	0E ON MAR 7 *	4.49	1968
1969	0.238 AT 17:30 CST ON APR 10	0.088 ON APR 10	0 ON MAR 1	35.0 R	1969
1970	0.105 AT 15:30 CST ON APR 10	0.074B ON APR 8	0 ON MAR 1	20.1	1970
1971	0.081 AT 01:15 CST ON JUL 24	0.008B ON APR 7	0B ON MAR 1	3.97	1971
1972	0.001E ON APR 8	0.001E ON APR 8	0 ON MAR 1	0.28	1972
1973	0.008 AT 18:05 CST ON MAR 20	0.003 ON MAR 17	0 ON MAR 1	2.68	1973
1974	0.438B AT 13:38 CST ON APR 19	0.125B ON APR 19	0B ON MAR 1	26.2	1974
1975	0.130 AT 18:30 CST ON APR 18	0.108B ON APR 17	0B ON MAR 1	33.9	1975
1976	0.201B AT 01:19 CST ON APR 3	0.180B ON APR 3 *	0B ON MAR 1	45.5	1976
1977	0.748 AT 15:15 CST ON MAY 15 *	0.012 ON MAY 15	0 ON MAR 1	3.89	1977
1978	0.004 AT 17:37 CST ON APR 4	0.003A ON MAR 30	0B ON MAR 1	1.12	1978
1979	0.088 AT 21:20 CST ON APR 18	0.008 ON APR 18	0B ON MAR 1	2.08	1979
				14.8 R	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD
R - REVISED SINCE JAN 01 1987

WHITESAND RIVER NEAR CANORA - STATION NO. 05MB003

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1943	---	---	0	12.5	2.23	1.55	0.827	---	---	---	---	---	---	1943
1944	---	---	---	1.12	0.328	0.272	0.035	0	0	0	---	---	---	1944
1945	---	---	0.520	1.27	0.454	0.321	0.246	0.001	0.028	---	---	---	---	1945
1946	---	---	---	2.76	0.425	0.123	0.084	0.003	0.055	0.172	---	---	---	1946
1947	---	---	---	---	8.28	1.62	1.07	0.128	0.108	0.147	---	---	---	1947
1948	---	---	---	---	23.9	0.936	0.728	0.130	0.004	0.007	---	---	---	1948
1949	---	---	---	1.37	0.180	0.880	0.081	0.070	---	---	---	---	---	1949
1950	---	---	---	---	2.17	0.328	0.180	0.144	---	---	---	---	---	1950
1951	---	---	---	8.88	8.82	0.868	0.380	0.083	0.188	0.385	---	---	---	1951
1952	---	---	---	9.71	1.11	0.233	0.022	0	0	0	---	---	---	1952
1953	---	---	---	8.18	2.93	8.87	20.3	8.94	2.88	1.48	---	---	---	1953
1954	---	---	---	19.0	13.8	48.5	17.5	5.73	8.48	7.73	4.32	---	---	1954
1955	---	---	---	50.4	74.8	20.8	10.7	4.01	0.882	0.882	---	---	---	1955
1956	---	---	---	36.8	84.8	17.8	8.78	1.93	1.38	0.817	---	---	---	1956
1957	---	---	0	23.0	14.1	2.48	0.858	0.408	0.185	0	---	---	5.10	1957
1958	---	---	0.247	3.24	0.724	0.126	0	0	0	0	---	---	0.535	1958
1959	---	---	0.521	1.80	0.131	0.081	0.288	0	0	0.081	---	---	0.388	1959
1960	---	---	0.105	18.7	3.88	1.77	0.743	0.003	0	0	---	---	3.24	1960
1961	---	---	0	0.181	0.058	0	0	0	0	0	---	---	0.030	1961
1962	---	---	0	7.89	1.72	0.130	0	0	0	0	---	---	1.21	1962
1963	---	---	0.268	0.575	0.038	0.082	0.019	0.001	0	0	---	---	0.118	1963
1964	---	---	0	0.858	0.580	0.049	0	0	0	0.350	---	---	0.229	1964
1965	---	---	0	7.84	2.27	2.09	0.311	0.121	0.068	0.188	---	---	1.59	1965
1966	---	---	0	17.8	8.48	1.82	1.70	1.34	0.138	0.323	---	---	3.68	1966
1967	---	---	0.006	3.77	12.3	1.14	0.026	0.005	0.006	0.588	---	---	2.23	1967
1968	---	---	0.580	1.82	0.208	0.136	0.003	0.002	0.153	0	---	---	0.371	1968
1969	---	---	0	9.00	1.17	0.117	0.127	0.131	0.021	0.285	---	---	1.34	1969
1970	---	---	0	10.5	9.14	1.89	1.84	0.075	0	0.784	---	---	2.85	1970
1971	---	---	0.071	24.5	3.38	2.49	1.71	0.210	0	0.039	---	---	3.89	1971
1972	---	---	0.174	27.8	7.13	0.414	0.044	0.001	0	0	---	---	4.38	1972
1973	---	---	0.372	0.426	0.318	1.71	0.710	0.001	0.337	0.005	---	---	0.481	1973
1974	---	---	0.080	24.8	21.4	8.02	0.726	0.579	0.813	0.338	---	---	7.01	1974
1975	---	---	0.113	24.3	41.4	8.11	3.18	1.14	1.00	0.738	---	---	9.88	1975
1976	---	---	0.303	52.5	12.9	11.2	9.17	1.85	0.880	0.207	---	---	11.0	1976
1977	---	---	0.085	1.71	1.83	0.109	0	0	0	0	---	---	0.426	1977
1978	---	---	0	3.35	0.809	0.032	0.835	0.088	0.001	0.008	---	---	0.588	1978
1979	---	---	0.005	22.5	28.3	3.70	0.842	0.381	0.803	0.328	---	---	7.05	1979
1980	---	---	0.003	12.1	1.98	0.284	0.082	0.044	0.018	0.038	---	---	1.78	1980
1981	---	---	0.281	0.180	0.173	0.858	0.883	0.428	0.018	0.842	---	---	0.407	1981
1982	---	---	0.058	4.06	1.14	0.432	1.80	0.151	0.014	0.080	---	---	0.958	1982
1983	---	---	0.078	13.3	9.88	3.28	8.88	1.10	0.038	0.025	---	---	4.25	1983
1984	---	---	1.26	3.35	1.98	0.889	0.288	0	0	0.208	---	---	0.880	1984
1985	---	---	0.080	27.0	10.8	3.80	0.825	0.288	0.143	0.180	---	---	6.85	1985
1986	---	---	1.72	21.4	5.84	2.06	1.36	0.358	0.008	0.008	---	---	4.06	1986
1987	---	---	0.751	8.10	1.80	0.384	0.785	0.022	0.004	0.001	---	---	1.18	1987
1988	---	0.448	0.574	9.83	8.48	2.03	0.004	0.091	0	0	---	---	2.87	1988
MEAN	---	0.448	0.241	12.8	9.03	3.83	2.04	0.883	0.388	0.408	4.32	---	2.82	MEAN

LOCATION - LAT 51 38 11 N DRAINAGE AREA, 6 740 km²
LONG 102 22 11 W REGULATED

WHITESAND RIVER NEAR CANORA - STATION NO. 05MB003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1943	---	44.7 B ON APR 13	0 B ON MAR 1 *	---	1943
1944	---	5.29 B ON APR 13	0 ON APR 1	---	1944
1945	---	4.84 ON MAR 31	0 ON MAR 1	---	1945
1946	---	11.2 ON MAR 30	0 ON AUG 28	---	1946
1947	---	43.0 ON APR 18	---	---	1947
1948	---	184 ON APR 26	0 ON SEP 13	---	1948
1949	---	5.88 ON APR 9	0 ON APR 1	---	1949
1950	---	32.3 ON APR 21	---	---	1950
1951	---	20.9 B ON APR 14	0 B ON APR 1	---	1951
1952	---	19.9 ON APR 7	0 ON JUL 17	---	1952
1953	---	48.7 ON JUL 1	---	---	1953
1954	---	118 ON JUN 16	---	---	1954
1955	145 AT 08:00 CST ON MAY 8	144 ON MAY 7	---	---	1955
1956	146 AT 18:00 CST ON APR 23	146 ON APR 23	---	---	1956
1957	---	89.8 ON APR 22	0 B ON MAR 1	108 000	1957
1958	8.36 AT 08:00 CST ON APR 4	7.67 ON APR 4	0 ON JUN 29	11 300	1958
1959	10.8 AT 18:30 CST ON APR 1	10.5 ON APR 1	0 ON MAR 1	7 760	1959
1960	88.7 AT 17:00 CST ON APR 15	80.4 ON APR 15	0 ON AUG 3	86 600	1960
1961	---	0.246 ON APR 12	0 ON MAR 1	826	1961
1962	---	40.5 ON APR 22	0 ON MAR 1	35 800	1962
1963	---	2.21 ON MAR 31	0 ON MAR 1	2 500	1963
1964	---	3.62 ON APR 16	0 ON MAR 1	4 840	1964
1965	---	32.6 B ON APR 15	0 B ON MAR 1	33 600	1965
1966	---	35.1 B ON APR 8	0 B ON MAR 1	77 800	1966
1967	---	28.2 ON APR 29	0 ON JUL 15	47 300	1967
1968	---	5.88 ON APR 3	0 B ON MAR 1	7 840	1968
1969	---	34.8 ON APR 15	0 B ON MAR 1	26 300	1969
1970	---	22.6 ON APR 14	0 B ON MAR 1	82 400	1970
1971	---	83.6 ON APR 14	0 ON AUG 29	84 400	1971
1972	98.8 ON APR 17	90.9 ON APR 17	0 ON JUL 20	92 800	1972
1973	---	3.43 ON JUN 7	0 ON MAR 1	10 200	1973
1974	112 AT 10:54 CST ON APR 22	106 ON APR 22	0.0218 ON APR 8	146 000	1974
1975	135 AT 00:30 CST ON MAY 3	132 ON MAY 3	0.1088 ON APR 16	211 000	1975
1976	202 B AT 16:40 CST ON APR 12 *	174 B ON APR 12 *	0.105 ON OCT 21	232 000	1976
1977	6.47 AT 17:43 CST ON APR 12	5.01 ON APR 12	0 ON JUN 25	9 030	1977
1978	7.198 AT 22:41 CST ON APR 9	6.85 B ON APR 10	0 B ON MAR 1	12 000	1978
1979	87.1 B AT 08:28 CST ON APR 28	86.8 B ON APR 28	0.0058 ON MAR 1	149 000	1979
1980	35.1 B AT 14:11 CST ON APR 11	34.0 B ON APR 11	0 ON JUN 20	37 800	1980
1981	4.08 AT 03:48 CST ON OCT 17	3.72 ON JUN 16	0 ON SEP 24	6 630	1981
1982	11.4 AT 13:57 CST ON APR 21	10.6 B ON APR 21	0 B ON MAR 1	20 200	1982
1983	83.3 AT 23:23 CST ON APR 24	70.1 ON APR 25	0 ON SEP 20	80 600	1983
1984	7.108 AT 17:00 CST ON MAR 30	6.76 B ON MAR 30	0 ON JUL 21	21 000	1984
1985	80.3 AT 08:35 CST ON APR 15	80.1 ON APR 15	0.001 ON SEP 18	138 000	1985
1986	47.8 B AT 18:00 CST ON APR 3	46.3 B ON APR 3	0.003 ON OCT 2	85 800	1986
1987	13.0 B AT 13:13 CST ON APR 7	12.4 B ON APR 7	0.001 ON OCT 10	28 000	1987
1988	17.4 B AT 20:13 CST ON APR 13	16.6 B ON APR 12	0 ON SEP 9	54 500	1988
				88 900	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

WHITESAND RIVER NEAR KAMSACK - STATION NO. 05MB002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1941	---	---	0	3.72	0.880	0.146	0.001	0	--	0	---	---	---	1941
1942	---	---	---	8.00	0.638	0.267	0.388	0.621	--	---	---	---	---	1942
MEAN	---	---	0	5.86	0.749	0.202	0.185	0.281	0	0	---	---	---	MEAN

LOCATION - LAT 51 33 50 N DRAINAGE AREA, 8 880 km^2
LONG 101 55 30 W REGULATED

WHITESAND RIVER NEAR KAMSACK - STATION NO. 05MB002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1941	---	12.7 ON APR 18 *	0 ON MAR 1 *	---	1941
1942	---	---	0 ON APR 1	---	1942
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

WHITESAND RIVER NEAR SHEHD - STATION NO. 05MB004

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1957	---	---	0	2.00	0.859	0.072	0	0	0	0	---	---	0.383	1957
1958	---	---	0	0.055	0.016	0	0	0	0	0	---	---	0.008	1958
1959	---	---	0	0	0	0	0	0	0	0	---	---	0	1959
1960	---	---	0	1.46	0.340	1.10	0.273	0	0	0	---	---	0.389	1960
1961	---	---	0	0	0	0	0	0	0	0	---	---	0	1961
1962	---	---	0	0.032	0.028	0	0	0	0	0	---	---	0.008	1962
1963	---	---	0.011	0.082	0.007	0	0	0	0	0	---	---	0.010	1963
1964	---	---	0	0	0	0	0	0	0	0	---	---	0	1964
1965	---	---	0	0.082	0.004	0.297	0.120	0.005	0	0	---	---	0.063	1965
1966	---	---	0	2.38	0.814	0.292	0.188	0.249	0.107	0.017	---	---	0.513	1966
1967	---	---	0	0.063	2.27	0.495	0.011	0	0	0	---	---	0.352	1967
1968	---	---	0.131	0.092	0.036	0.004	0	0	0	0	---	---	0.033	1968
1969	---	---	0	0.376	0.077	0.002	0	0	0	0	---	---	0.058	1969
1970	---	---	0	1.28	1.08	0.182	0.028	0	0	0	---	---	0.321	1970
1971	---	---	0	2.63	0.811	0.125	0.072	0.018	0	0	---	---	0.451	1971
1972	---	---	0	3.04	2.03	0.154	0.011	0	0	0	---	---	0.651	1972
1973	---	---	0	0.003	0.230	1.09	0.276	0.001	0	0	---	---	0.199	1973
MEAN	---	---	0.006	0.810	0.501	0.224	0.057	0.018	0.006	0.001	---	---	0.201	MEAN

LOCATION - LAT 61 35 34 N DRAINAGE AREA, 1 840 km²
LONG 103 02 36 W REGULATED

WHITESAND RIVER NEAR SHEHD - STATION NO. 05MB004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1957	---	5.66 ON APR 21	0 ON MAR 1 *	7 880	1957
1958	---	0.170 ON APR 25	0E ON MAR 1	168	1958
1959	---	0 ON MAR 1	0 ON MAR 1	0	1959
1960	---	5.01 A ON APR 18	0E ON MAR 1	8 240	1960
1961	---	0 ON MAR 1	0 ON MAR 1	0	1961
1962	---	0.180A ON APR 21	0 ON MAR 1	180	1962
1963	---	0.085E ON MAR 29	0 ON MAR 1	210	1963
1964	---	0 ON MAR 1	0 ON MAR 1	0	1964
1965	---	1.12 B ON APR 14	0E ON MAR 1	1 330	1965
1966	---	10.4 B ON APR 18 *	0E ON MAR 1	10 800	1966
1967	---	4.08 B ON MAY 8	0E ON MAR 1	7 560	1967
1968	---	0.871A ON MAR 29	0E ON MAR 1	885	1968
1969	1.44 AT 00:10 CST ON APR 20	1.28 ON APR 20	0E ON MAR 1	1 190	1969
1970	3.43 AT 11:07 CST ON APR 23	3.40 ON APR 23	0E ON MAR 1	8 780	1970
1971	9.488 AT 21:00 CST ON APR 10	8.51 B ON APR 10	0E ON MAR 1	9 550	1971
1972	10.2 B ON APR 18 *	9.48 B ON APR 17	0E ON MAR 1	13 800	1972
1973	---	2.26 A ON JUN 8	0E ON MAR 1	4 210	1973
				4 270	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

WHITESAND RIVER NEAR SPRINGSIDE - STATION NO. 05MB005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1971	---	---	0.041	8.80	1.88	0.598	0.153	0.068	0.030	0.031	---	---	1.14	1971
1972	---	---	0.001	7.85	3.09	0.322	0.064	0.028	0.028	0.013	---	---	1.39	1972
1973	---	---	0.084	0.127	0.449	1.45	0.478	0.038	0.020	0.008	---	---	0.348	1973
1974	---	---	0.014	8.88	9.86	2.80	0.282	0.057	0.084	0.178	---	---	2.45	1974
1975	---	---	0.041	8.04	10.4	1.63	0.184	0.057	0.177	0.076	---	---	2.88	1975
1976	---	---	0.132	16.4	1.86	4.82	1.84	0.090	0.081	0.087	---	---	3.14	1976
1977	---	---	0.112	0.301	0.401	0.012	0	0	0.014	0.086	---	---	0.116	1977
1978	---	---	0.048	0.591	0.186	0.023	0.287	0.002	0.008	0.107	---	---	0.183	1978
1979	---	---	0.017	8.82	10.8	1.72	0.193	0.288	0.485	0.218	---	---	2.78	1979
1980	---	---	0.000	1.10	0.405	0.030	0.008	0.042	0.023	0.022	---	---	0.207	1980
1981	---	---	0.081	0.086	0.064	0.256	0.068	0.086	0.030	0.077	---	---	0.088	1981
1982	---	---	0.085	2.24	0.439	0.085	0.111	0.012	0.003	0.033	---	---	0.373	1982
1983	---	---	0.080	1.88	2.22	0.847	2.11	0.058	0.011	0.012	---	---	0.883	1983
1984	---	---	0.174	1.34	1.31	0.788	0.267	0.008	0.002	0.075	---	---	0.493	1984
1985	---	---	0.238	12.2	3.08	1.31	0.180	0.032	0.078	0.128	---	---	2.12	1985
1986	---	---	1.23	8.88	1.73	0.320	0.188	0.012	0.002	0.008	---	---	1.14	1986
1987	---	---	0.424	2.84	0.883	0.178	0.280	0.022	0	0.048	---	---	0.578	1987
1988	---	---	0.308	4.17	1.88	0.270	0	0.000	0	0	---	---	0.834	1988
MEAN	---	---	0.178	4.88	2.78	0.955	0.378	0.088	0.057	0.078	---	---	1.17	MEAN

LOCATION - LAT 61 33 80 N DRAINAGE AREA, 2 850 km²
LONG 102 44 12 W REGULATED

WHITESAND RIVER NEAR SPRINGSIDE - STATION NO. 05MB005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1971	---	14.9 ON APR 14	0 ON SEP 12 *	24 200	1971
1972	---	19.8 ON APR 17	0 B ON MAR 1	29 400	1972
1973	---	2.82 ON JUN 8	0.003E ON AUG 23	7 300	1973
1974	24.2 AT 14:30 CST ON APR 24	23.9 ON APR 24	0.004 ON AUG 30	51 800	1974
1975	54.1 AT 07:58 CST ON APR 30	52.7 ON APR 30	0.007 ON AUG 21	58 800	1975
1976	58.8 AT 18:26 CST ON APR 10 *	54.1 ON APR 10 *	0.008 ON AUG 20	58 400	1976
1977	1.37 AT 17:02 CST ON MAY 8	1.16 ON MAY 7	0 E ON JUN 13	2 480	1977
1978	1.038 AT 07:54 CST ON APR 12	1.338 ON APR 15	0 ON JUN 29	3 240	1978
1979	48.0 AT 20:18 CST ON APR 27	46.6 ON APR 28	0.002 ON AUG 16	58 100	1979
1980	2.188 AT 02:37 CST ON APR 6	1.878 ON APR 6	0 ON JUL 12	4 370	1980
1981	1.36 AT 14:35 CST ON JUN 15	1.00 ON JUN 15	0.011 ON SEP 17	2 040	1981
1982	7.858 AT 07:10 CST ON APR 17	7.288 ON APR 17	0 ON SEP 26	7 880	1982
1983	9.50 AT 02:02 CST ON APR 24	9.17 ON APR 24	0 ON SEP 17	20 200	1983
1984	2.77 AT 06:43 CST ON MAY 18	2.67 ON MAY 18	0 ON JUL 27	10 400	1984
1985	23.5 AT 22:37 CST ON APR 14	22.5 ON APR 14	0.001 ON AUG 11	44 800	1985
1986	12.2 AT 05:28 CST ON APR 6	12.1 ON APR 6	0 ON AUG 19	24 100	1986
1987	5.82 AT 03:47 CST ON APR 14	5.58 ON APR 14	0 ON SEP 5	12 200	1987
1988	7.02 AT 18:10 CST ON APR 15	6.89 ON APR 15	0 ON JUL 1	17 800	1988
			MEAN	24 700	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

WHITEWATER CREEK NEAR INTERNATIONAL BOUNDARY - STATION NO. 11AD001

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1927	---	---	1.80	4.41	0.388	0.080	0.006	0.003	0.004	0.003	---	---	0.621	1927
1928	---	---	4.49	1.88	0.028	0.024	0.883	0.027	0.010	0.010	---	---	0.858	1928
1929	---	---	0.028	0.028	0.027	0.021	0.001	0	0.004	0.005	---	---	0.014	1929
1930	---	---	1.08	0.087	0.007	0.002	0.003	0.001	0.004	0.002	---	---	0.148	1930
1931	---	---	0.008	0.008	0.008	0.112	0.038	0.002	0.003	0.002	---	---	0.022	1931
1932	---	---	0.040	0.028	0.018	0.038	0.003	0	0.004	0.007	---	---	0.017	1932
1933	---	---	0.007	0.008	0.018	0.014	0.010	0.006	0.003	0.003	---	---	0.008	1933
1934	---	---	0.087	0.008	0.004	0.004	0.001	0	0.004	0.004	---	---	0.015	1934
1935	---	---	0.215	0.078	0.008	0.002	0.004	0	0.002	0.004	---	---	0.038	1935
1936	---	---	0.013	0.824	0.004	0.005	0	0	0.001	0.003	---	---	0.088	1936
1937	---	---	0	0.072	0.003	0.001	0.005	0	0	0.003	---	---	0.011	1937
1938	---	---	0.436	0.045	0.007	0.005	0.019	0	0	0.001	---	---	0.085	1938
1939	---	---	2.82	0.014	0.082	0.723	0.008	0	0.001	0.002	---	---	0.488	1939
1940	---	---	0.004	1.28	0.083	0.085	0.002	0.001	0.001	0.004	---	---	0.181	1940
1941	---	---	0.853	0.018	0.007	0.018	0.004	0	0.002	0.003	---	---	0.114	1941
1942	---	---	0.030	0.019	0.012	0.080	0.009	0.001	0.002	0.003	---	---	0.017	1942
1943	---	---	4.17	0.082	0.012	0.023	0.008	0	0	0.001	---	---	0.840	1943
1944	---	---	0.380	0.039	0.008	0.007	0.001	0	0	0.003	---	---	0.083	1944
1945	---	---	0.006	0.010	0.007	0.007	0.001	0	0.001	0.001	---	---	0.004	1945
1946	---	---	0.203	0.009	0.004	0.002	0.001	0	0	0.002	---	---	0.038	1946
1947	---	---	0.288	0.041	0.003	0.004	0.002	0	0	0	---	---	0.043	1947
1948	---	---	0.005	0.008	0.018	0.003	0	0	0	0	---	---	0.004	1948
1949	---	---	0.018	0.012	0.003	0.001	0	0	0	0.002	---	---	0.004	1949
1950	---	---	0	4.30	0.011	0.006	0.001	0	0.002	0.003	---	---	0.530	1950
1951	---	---	0	0.848	0.208	0.005	0.001	0.002	0.008	0.005	---	---	0.108	1951
1952	---	---	0	18.3	0.077	0.008	0.147	0.004	0.003	0.004	---	---	2.38	1952
1953	---	---	0.144	0.047	0.184	0.114	0.004	0	0	0.002	---	---	0.082	1953
1954	---	---	0.008	2.05	0.021	0.023	0.005	0.004	0.003	0.004	---	---	0.259	1954
1955	---	---	0.877	1.24	0.071	0.007	0.730	0.003	0.001	0.003	---	---	0.376	1955
1956	---	---	0.010	0.020	0.024	0.002	0	0	0.001	0	---	---	0.007	1956
1957	---	---	0.034	0.018	0.008	0.002	0	0	0	0.001	---	---	0.008	1957
1958	---	---	0.890	0.187	0.003	0.001	0	0	0	0	---	---	0.137	1958
1959	---	---	0.988	0.028	0.004	0.002	0.001	0	0	0.003	---	---	0.128	1959
1960	---	---	1.82	0.014	0.010	0.003	0.001	0	0	0.004	---	---	0.234	1960
1961	---	---	1.82	0.010	0.005	0.148	0.001	0	0	0.003	---	---	0.260	1961
1962	---	---	0.470	0.043	0.005	0.028	3.13	0.014	0.001	0.005	---	---	0.487	1962
1963	---	---	0.082	0.017	0.008	0.013	0.001	0	0	0.003	---	---	0.013	1963
1964	---	---	0.001	0.008	0.011	0.003	0.001	0	0.003	0.003	---	---	0.004	1964
1965	---	---	0	0.158	0.018	0.008	0.008	0	0.004	0.003	---	---	0.024	1965
1966	---	---	1.92	0.032	0.028	0.003	0.002	0	0.001	0.001	---	---	0.252	1966
1967	---	---	0.836	1.51	0.075	0.007	0	0	0.001	0.003	---	---	0.275	1967
1968	---	---	0.011	0.008	0.008	0.002	0	0.001	0.002	0.003	---	---	0.004	1968
1969	---	---	0.003	0.380	0.048	0.007	0.024	0	0	0.003	---	---	0.057	1969
1970	---	---	0.201	0.031	0.041	0.030	0.003	0	0.001	0.002	---	---	0.039	1970
1971	---	---	0.004	0.116	0.015	0.007	0.002	0	0.001	0.008	---	---	0.018	1971
1972	---	---	0.128	0.017	0.008	0.002	0.001	0.001	0.001	0.003	---	---	0.020	1972
1973	---	---	0.041	0.018	0.008	0.002	0	0	0.001	0.002	---	---	0.008	1973
1974	---	---	2.58	0.582	0.182	0.017	0.001	0.002	0.002	0.002	---	---	0.421	1974
1975	---	---	0.010	0.170	0.244	0.012	0.001	0.001	0.002	0.003	---	---	0.055	1975
1976	---	---	0.888	0.017	0.003	0.002	0.001	0	0.001	0.002	---	---	0.116	1976
1977	---	---	0.015	0.022	0.007	0.004	0.001	0	0.002	0.004	---	---	0.007	1977
1978	---	---	0.820	2.06	0.105	0.008	0.002	0.001	0.003	0.003	---	---	0.348	1978
1979	---	---	0.749	0.581	0.032	0.003	0.001	0	0.001	0.003	---	---	0.189	1979
MEAN	---	---	0.803	0.784	0.041	0.032	0.091	0.001	0.002	0.003	---	---	0.185	MEAN

LOCATION - LAT 48 57 00 N, LONG 107 52 00 W
DRAINAGE AREA, 3 180 km^2
NATURAL FLOW
INTERNATIONAL GAUGING STATION

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1934

WHITEWATER CREEK NEAR INTERNATIONAL BOUNDARY - STATION NO. 11AD001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1927	32.3 AT 11:50 MST ON APR 5	28.1 ON APR 5	0 B ON MAR 1 *	17 300	1927
1928	51.3 AT 22:30 MST ON MAR 21	28.4 ON MAR 21	0.008 ON MAY 22	16 100	1928
1929	0.201 AT 08:00 MST ON APR 30	0.133 ON APR 30	0 ON JUN 27	305	1929
1930	---	5.49 B ON MAR 13	0 B ON MAR 1	3 140	1930
1931	15.0 AT 09:00 MST ON JUN 30	3.10 ON JUN 30	0.001 ON JUN 18	458	1931
1932	3.48 AT 23:00 MST ON MAY 31	0.560 ON JUN 1	0 B ON MAR 1	358	1932
1933	0.241 AT 03:30 MST ON AUG 22	0.071 ON AUG 22	0 B ON MAR 6	183	1933
1934	---	0.5888 ON MAR 1	0 ON JUN 22	326	1934
1935	---	1.42 B ON MAR 18	0 B ON MAR 1	827	1935
1936	---	8.23 ON APR 10	0 B ON MAR 1	1 430	1936
1937	0.784 AT 18:00 MST ON JUL 11	0.4258 ON APR 9	0 B ON MAR 1	222	1937
1938	---	8.51 B ON MAR 17	0 B ON MAR 1	1 370	1938
1939	84.8 AT 23:00 MST ON MAR 20	32.8 ON MAR 21	0 ON MAR 1	9 930	1939
1940	22.3 AT 18:00 MST ON APR 21	11.3 ON APR 21	0 ON JUL 7	3 840	1940
1941	12.7 AT 12:30 MST ON MAR 19	3.88 ON MAR 20	0 B ON MAR 17	2 410	1941
1942	0.877 AT 13:30 MST ON JUN 5	0.490 ON JUN 5	0 B ON MAR 1	357	1942
1943	78.6 AT 01:00 MST ON MAR 25	50.1 ON MAR 25	0 B ON MAR 1	11 800	1943
1944	4.78 B AT 12:30 MST ON MAR 20	3.11 B ON MAR 22	0 ON MAR 1	1 120	1944
1945	0.0239 AT 23:30 MST ON MAR 21	0.0208 ON MAR 15	0 B ON MAR 1	92.4	1945
1946	1.90 B AT 10:30 MST ON MAR 2	1.78 B ON MAR 1	0 ON JUN 18	594	1946
1947	---	1.90 B ON MAR 25	0 B ON MAR 1	802	1947
1948	0.883 ON MAY 22	0.207 ON MAY 23	0 B ON MAR 1	90.7	1948
1949	0.1258 AT 15:00 MST ON MAR 6	0.0718 ON MAR 8	0 B ON MAR 1	94.1	1949
1950	80.0 B AT 24:00 MST ON APR 15	30.9 B ON APR 15	0 B ON MAR 1	11 300	1950
1951	12.1 AT 03:00 MST ON MAY 1	4.06 ON MAY 1	0 B ON MAR 1	2 290	1951
1952	98.1 AT 02:00 MST ON APR 14 *	72.2 ON APR 14 *	0 B ON MAR 1	50 700	1952
1953	7.82 AT 19:00 MST ON MAY 29	1.56 B ON MAR 26	0 ON MAR 1	1 310	1953
1954	80.3 E ON APR 6	31.1 E ON APR 6	0 ON JUL 14	8 490	1954
1955	28.7 AT 22:15 MST ON JUL 12	17.0 B ON MAR 31	0 B ON MAR 1	8 010	1955
1956	0.0718 AT 21:00 MST ON MAR 24	0.0828 ON MAR 24	0 B ON MAR 1	162	1956
1957	0.8348 AT 14:00 MST ON MAR 21	0.2568 ON MAR 21	0 B ON MAR 1	163	1957
1958	14.2 AT 05:00 MST ON MAR 29	8.35 ON MAR 29	0 ON MAR 1	2 800	1958
1959	---	5.95 B ON MAR 27	0 B ON MAR 1	2 680	1959
1960	26.6 B AT 23:45 MST ON MAR 18	15.6 B ON MAR 20	0 ON MAR 1	4 840	1960
1961	43.0 B AT 09:45 MST ON MAR 17	27.3 B ON MAR 17	0 ON JUN 5	5 300	1961
1962	77.8 AT 22:00 MST ON JUL 13	33.4 ON JUL 14	0 ON MAR 1	9 690	1962
1963	0.881 AT 18:45 MST ON MAR 2	0.283E ON MAR 1	0 ON JUN 2	273	1963
1964	0.089 ON MAY 4	0.084 ON MAY 4	0 A ON MAR 1	78.0	1964
1965	5.96 B AT 18:30 MST ON APR 11	1.84 B ON APR 11	0 ON MAR 1	512	1965
1966	18.5 AT 18:00 MST ON MAR 18	8.87 ON MAR 17	0 ON MAR 1	5 330	1966
1967	11.5 B AT 17:30 MST ON APR 8	8.97 B ON APR 8	0 B ON MAR 1	5 830	1967
1968	0.031A AT 15:30 MST ON MAR 3	0.023E ON MAR 2	0 ON JUL 8	88.5	1968
1969	6.60 B AT 22:30 MST ON APR 7	3.23 B ON APR 8	0 B ON MAR 1	1 210	1969
1970	2.15 B AT 18:00 MST ON MAR 25	1.33 B ON MAR 21	0 B ON MAR 1	824	1970
1971	1.67 AT 18:00 CST ON APR 6	0.834 ON APR 6	0 ON JUL 26	388	1971
1972	3.54 B AT 17:30 MST ON MAR 14	1.06 B ON MAR 14	0 ON MAR 1	427	1972
1973	0.3068 AT 17:00 CST ON MAR 3	0.2278 ON MAR 2	0 ON JUL 7	187	1973
1974	19.4 B AT 19:00 CST ON MAR 30	17.3 B ON MAR 30	0 ON JUL 24	8 930	1974
1975	4.90 B AT 22:00 CST ON APR 14	3.08 ON MAY 7	0 ON JUL 15	1 170	1975
1976	21.2 B ON MAR 18	14.5 B ON MAR 19	0 E ON JUL 6	2 450	1976
1977	0.176 AT 19:00 MST ON APR 6	0.136 ON APR 6	0 ON JUL 3	142	1977
1978	17.4 B AT 01:00 CST ON APR 2	12.0 ON APR 5	0 ON JUL 28	7 370	1978
1979	11.4 AT 18:30 CST ON APR 7	6.51 B ON MAR 25	0 B ON MAR 1	3 670	1979
				4 130	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

WILCOX MAIN DITCH NEAR WILCOX - STATION NO. 05JE008

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1975	---	---	0	1.84	0.541	0.004	0	0	0	0	---	---	0.289	1975
1976	---	---	0.008	3.48	0.144	0.288	0.003	0	0	0	---	---	0.483	1976
1977	---	---	0.001	0	0	0	0.007	0	0	0	---	---	0.001	1977
1978	---	---	0.019	0.018	0	0	0	0	0	0	---	---	0.005	1978
1979	---	---	0	0.058	0.334	0.018	0.883	0.013	0	0	---	---	0.247	1979
1980	---	---	0	0.088	0.001	0	0	0	0	0	---	---	0.012	1980
1981	---	---	0	0	0	0	0	0	0	0	---	---	0	1981
1982	---	---	0	3.34	0.088	0	0.005	0	0	0	---	---	0.388	1982
1983	---	---	0	0.788	0.045	0	0	0	0	0	---	---	0.089	1983
1984	---	---	0.018	0.010	0	0	0	0	0	0	---	---	0.003	1984
1985	---	---	0.012	0.025	0	0	0	0	0	0	---	---	0.005	1985
1986	---	---	0.042	0.014	0.371	0	0	0	0	0	---	---	0.054	1986
1987	---	---	0.023	0.018	0.038	0.001	0	0	0	0	---	---	0.010	1987
1988	---	0	0.003	0	0	0	0	0	0	0.002	0	---	0.001	1988
MEAN	---	0	0.009	0.882	0.112	0.023	0.048	0.001	0	0	0	---	0.106	MEAN

LOCATION - LAT 50 03 41 N, LONG 104 48 53 W
DRAINAGE AREA, 270 km^2
REGULATED

WILCOX MAIN DITCH NEAR WILCOX - STATION NO. 05JE008

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1975	7.73 B AT 17:45 CST ON APR 20	5.26 B ON APR 21	0B ON MAR 1 *	5 700	1975
1976	11.7 AT 06:31 CST ON APR 8	11.5 ON APR 8	0B ON MAR 1	10 200	1976
1977	0.082 AT 20:07 CST ON JUL 11	0.051 ON JUL 12	0B ON MAR 1	21.5	1977
1978	---	0.236B ON MAR 31	0B ON MAR 1	100	1978
1979	7.25 AT 18:56 CST ON APR 22	4.82 ON APR 23	0B ON MAR 1	5 220	1979
1980	---	0.478 ON APR 9	0B ON MAR 1	258	1980
1981	0.025B AT 12:45 CST ON MAR 12	0.008B ON MAR 12	0B ON MAR 1	1.30	1981
1982	12.5 AT 14:43 CST ON APR 19 *	12.3 ON APR 19 *	0B ON MAR 1	5 080	1982
1983	4.17 AT 05:50 CST ON APR 15	3.71 ON APR 15	0B ON MAR 1	2 080	1983
1984	0.171B AT 18:20 CST ON MAR 20	0.133 ON APR 8	0B ON MAR 1	89.0	1984
1985	0.313B AT 08:49 CST ON APR 2	0.102B ON APR 2	0B ON MAR 1	88.1	1985
1986	2.34 AT 21:57 CST ON MAY 10	2.21 ON MAY 10	0B ON MAR 1	1 140	1986
1987	0.826 AT 19:28 CST ON MAY 28	0.532 ON MAY 29	0B ON MAR 1	217	1987
1988	0.057 AT 13:15 CST ON OCT 30	0.026B ON MAR 24	0B ON MAR 8	11.8	1988
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		2 230	MEAN

WILKES BROS. DITCH NEAR OXARAT - STATION NO. 11AB084

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1915	---	---	0	0	0	0	0	0	0	0	0	---	0	1915
1916	---	---	0	0	0	0	0	0	0	0	0	---	0	1916
1917	---	---	0	0	0	0	0	0	0	0	0	---	0	1917
1918	---	---	---	---	---	---	---	---	---	---	---	---	---	1918
1919	---	---	---	---	---	---	---	---	---	---	---	---	---	1919
1920	---	---	0	0.008	0.008	0.007	0.005	0	0	0	0	---	0.003	1920
1921	---	---	0	0	0	0.034	0	0	0	0.001	0	---	0.004	1921
1922	---	---	0	0	0	0.023	0	0	0	0	0	---	0.003	1922
1923	---	---	0	0	0.081	0.020	0	0	0	0	0.040	---	0.014	1923
1924	---	---	0	0	0.017	0.013	0.002	0	0	0	0	---	0.004	1924
1925	---	---	0	0	0.007	0.020	0	0	0.001	0.015	0	---	0.008	1925
1926	---	---	0	0.007	0.013	0	0	0	0	0	0	---	0.003	1926
1927	---	---	0	0	0	0	0	0.003	0	0	0	---	0	1927
1928	---	---	0	0	0.013	0.008	0	0	0	0	0	---	0.003	1928
1929	---	---	0	0	0	0	0	0	0	0	0	---	0	1929
1930	---	---	0	0	0.024	0	0	0	0	0	0	---	0.003	1930
MEAN	---	---	0	0.001	0.012	0.008	0.001	0	0	0.001	0.003	---	0.003	MEAN

LOCATION - LAT 49 26 30 N
LONG 109 35 00 W REGULATED

WILKES BROS. DITCH NEAR OXARAT - STATION NO. 11AB084

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1915	---	0 ON MAR 1	0 ON MAR 1 *	0	1915
1916	---	0 ON MAR 1	0 ON MAR 1	0	1916
1917	---	0 ON MAR 1	0 ON MAR 1	0	1917
1918	---	---	0 ON MAY 11	---	1918
1919	---	---	0 ON JUL 18	---	1919
1920	---	0.087 ON MAY 4	0 ON MAR 1	70.1	1920
1921	---	0.170 ON JUN 19 *	0 ON MAR 1	80.2	1921
1922	---	0.125 ON JUN 12	0 ON MAR 1	69.1	1922
1923	---	0.110E ON MAY 1	0 ON MAR 1	298	1923
1924	---	0.088 ON MAY 8	0 ON MAR 1	83.1	1924
1925	---	0.088 ON OCT 2	0 ON MAR 1	122	1925
1926	---	0.088 ON APR 27	0 ON MAR 1	83.4	1926
1927	---	0.028 ON AUG 6	0 ON MAR 1	8.81	1927
1928	---	0.075 ON MAY 28	0 ON MAR 1	86.7	1928
1929	---	0 ON MAR 1	0 ON MAR 1	0	1929
1930	---	0.078 ON MAY 12	0 ON MAR 1	83.8	1930
	E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		84.8	MEAN

WILLIAM RIVER ABOVE CARSWELL RIVER - STATION NO. 07MA004

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1976	---	---	---	---	---	---	26.4	31.2	23.1	26.0	21.9	14.7	---	1976
1977	13.1	13.5	13.6	29.2	33.6	31.5	26.3	27.7	30.3	27.6	21.9	16.4	24.1	1977
1978	14.4	11.3	11.7	14.6	43.2	25.4	18.0	18.3	---	32.5	27.5	17.8	---	1978
1979	13.9	12.5	13.0	15.9	41.4	27.3	18.6	18.3	17.8	21.5	21.6	16.2	19.9	1979
1980	10.0	10.0	8.84	19.7	17.7	13.4	12.1	12.6	13.6	15.6	12.3	8.86	12.7	1980
1981	7.86	8.19	8.02	12.3	24.7	14.2	12.6	9.58	8.64	9.06	9.45	7.22	11.1	1981
1982	6.26	6.22	7.23	10.4	33.0	17.9	13.6	14.1	15.2	14.3	11.1	9.06	13.2	1982
1983	8.27	8.43	10.6	14.1	28.2	27.2	19.0	14.1	14.6	15.6	12.0	9.60	15.3	1983
1984	8.83	10.1	11.3	15.9	18.6	14.4	14.7	14.8	17.9	20.4	21.1	13.4	15.2	1984
1985	11.3	9.99	11.9	35.0	50.0	32.0	22.7	18.3	22.8	23.4	19.0	13.8	22.6	1985
1986	11.8	12.1	16.5	27.7	43.0	26.2	32.5	30.0	24.2	23.7	19.3	11.6	23.1	1986
1987	10.8	12.0	12.2	26.8	48.1	23.8	16.8	17.3	20.2	18.7	19.1	16.8	20.0	1987
1988	12.8	11.8	11.8	12.5	42.3	26.8	28.0	27.1	29.8	26.8	24.8	21.2	22.9	1988
MEAN	10.8	10.8	11.3	19.6	36.2	23.2	20.3	18.5	19.8	21.3	18.5	13.8	18.2	MEAN

LOCATION - LAT 58 48 50 N, LONG 109 00 10 W. DRAINAGE AREA, 4 030 km². NATURAL FLOW

WILLIAM RIVER ABOVE CARSWELL RIVER - STATION NO. 07MA004

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1976	---	---	---	---	1976
1977	---	48.4E ON APR 28	11.4 RB ON JAN 20	781 000	1977
1978	---	58.6 ON MAY 2	8.06B ON MAR 10	---	1978
1979	82.3 AT 18:16 CST ON MAY 22	52.1 ON MAY 22	10.4 B ON MAR 6	636 000	1979
1980	---	30.4B ON APR 21	8.01B ON DEC 28 *	400 000	1980
1981	33.6B AT 20:37 CST ON MAY 2	21.6B ON MAY 1	5.26B ON JAN 1	348 000	1981
1982	---	42.0E ON MAY 6	8.19B ON FEB 1	418 000	1982
1983	38.1 AT 18:15 CST ON APR 29	32.7 ON APR 30	6.26B ON JAN 30	482 000	1983
1984	---	26.2B ON NOV 1	8.70B ON JAN 20	480 000	1984
1985	---	86.0E ON MAY 1 *	8.65B ON FEB 10	712 000	1985
1986	55.0 AT 23:15 CST ON MAY 2	52.6 ON MAY 3	9.63B ON FEB 26	729 000	1986
1987	59.6 AT 22:16 CST ON MAY 3 *	59.3 ON MAY 4	9.68B ON JAN 8	632 000	1987
1988	50.2 AT 10:35 CST ON MAY 13	50.2 ON MAY 13	10.2 B ON APR 16	726 000	1988
				574 000	MEAN

B - ICE CONDITIONS. E - ESTIMATED. * - EXTREME RECORDED FOR THE PERIOD OF RECORD. R - REVISED SINCE JAN 01 1987

WILLIAM RIVER AT SANDY BAY - STATION NO. 07MA005

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1977	---	---	---	---	--4	48.6R	43.0R	---	---	---	---	---	---	1977
MEAN	---	---	---	---	---	48.6R	43.0R	---	---	---	---	---	---	MEAN

LOCATION - LAT 59 06 00 N, LONG 109 18 15 W. NATURAL FLOW. DATA CONTRIBUTED BY - UNIVERSITY OF ALBERTA. R - REVISED SINCE JAN 01 1987

WILLOW BROOK AT WILLOWBROOK - STATION NO. 05MB005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1984	---	---	0	0.188	0.358	0.003	0	0	0	0	---	---	0.083	1984
1985	---	---	0	0.178	0.287	0.416	0.078	0	0	0	---	---	0.120	1985
1986	---	---	0	0.670	0.336	0.077	0.030	0.001	0	0	---	---	0.136	1986
1987	---	---	0	0.280	0.657	0.008	0	0	0	0	---	---	0.120	1987
1988	---	---	0.013	0.078	0.001	0	0	0	0	0	---	---	0.011	1988
1989	---	---	0	0.882	0.001	0	0	0.001	0	0	---	---	0.121	1989
1990	---	---	0	0.886	1.22	0.087	0.002	0	0	0	---	---	0.273	1990
1991	---	---	0	1.17	0.047	0.077	0.032	0	0	0	---	---	0.163	1991
1992	---	---	0	1.11	0.082	0	0	0	0	0	---	---	0.143	1992
1993	---	---	0	0	0	0.032	0.046	0.015	0.007	0.001	---	---	0.013	1993
1994	---	---	0	1.08	1.76	0.522	0	0	0	0	---	---	0.415	1994
1995	---	---	0	3.42	2.30	0.566	0.043	0	0	0	---	---	0.786	1995
1996	---	---	0	3.53	0.383	1.46	0.211	0.001	0	0	---	---	0.684	1996
1997	---	---	0	0	0.006	0	0	0	0	0	---	---	0.001	1997
1998	---	---	0	0	0.070	0.003	0	0	0	0	---	---	0.008	1998
1999	---	---	0	0.781	0.988	0.050	0	0	0	0	---	---	0.224	1999
2000	---	---	0	0.010	0	0	0	0	0	0	---	---	0.001	2000
2001	---	---	0	0	0	0	0	0	0	0	---	---	0	2001
2002	---	---	0	0.150	0.002	0.002	0	0	0	0	---	---	0.018	2002
2003	---	---	0	0.352	0.264	0.408	0.433	0.006	0	0	---	---	0.181	2003
2004	---	---	0	0	0	0	0	0	0	0	---	---	0	2004
2005	---	---	0	1.88	0.081	0.018	0.008	0	0	0	---	---	0.238	2005
2006	---	---	0.133	0.370	0.138	0.002	0	0	0	0	---	---	0.060	2006
2007	---	---	0	0.209	0.003	0	0	0	0	0	---	---	0.028	2007
2008	---	---	0	0.033	0.026	0	0	0	0	0	---	---	0.008	2008
MEAN	---	---	0.008	0.891	0.384	0.150	0.038	0.001	0	0	---	---	0.153	MEAN

LOCATION - LAT 51 12 20 N, LONG 102 46 05 W. DRAINAGE AREA, 402 km². REGULATED

WILLOW BROOK AT WILLOWBROOK - STATION NO. 05MB005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1984	---	0.762 ON APR 11	0B ON MAR 1 *	1 130	1984
1985	---	1.86 ON MAY 26	0B ON MAR 1	2 550	1985
1986	---	1.49 B ON APR 9	0B ON MAR 1	2 830	1986
1987	---	2.49 B ON APR 26	0B ON MAR 1	2 530	1987
1988	---	0.303 ON APR 2	0B ON MAR 1	240	1988
1989	---	4.25 ON APR 14	0B ON MAR 1	2 580	1989
1970	---	4.83 ON MAY 5	0B ON MAR 1	5 780	1970
1971	---	2.76 B ON APR 15	0B ON MAR 1	3 440	1971
1972	4.45 ON APR 17	3.96 ON APR 18	0B ON MAR 1	3 040	1972
1973	---	0.462 ON JUL 4	0B ON MAR 1	288	1973
1974	6.08 B AT 04:16 CST ON APR 20	5.07 ON MAY 23	0B ON MAR 1	6 780	1974
1975	25.8 AT 11:15 CST ON APR 29 *	24.0 ON APR 29 *	0B ON MAR 1	15 800	1975
1976	15.1 AT 14:18 CST ON APR 11	11.8 ON APR 11	0B ON MAR 1	14 500	1976
1977	0.054 AT 00:13 CST ON MAY 12	0.048 ON MAY 10	0B ON MAR 1	14.8	1977
1978	---	0.300E ON MAY 5	0B ON MAR 1	194	1978
1979	5.46 AT 12:00 CST ON APR 26	5.02 ON APR 26	0B ON MAR 1	4 740	1979
1980	0.191B AT 23:30 CST ON APR 16	0.107 ON APR 17	0B ON MAR 1	25.8	1980
1981	0.002 AT 13:20 CST ON JUL 13	0 ON MAR 1	0 ON MAR 1	0	1981
1982	0.858 AT 01:12 CST ON APR 22	0.883 ON APR 22	0B ON MAR 1	400	1982
1983	5.04 AT 06:36 CST ON JUN 26	5.16 ON JUN 26	0B ON MAR 1	3 830	1983
1984	---	0.0028 ON MAR 26	0B ON MAR 1	0.86	1984
1985	5.86 AT 17:54 CST ON APR 16	5.32 ON APR 16	0B ON MAR 1	5 050	1985
1986	1.01 AT 09:56 CST ON APR 8	0.857 ON APR 8	0B ON MAR 1	1 880	1986
1987	1.35 AT 14:13 CST ON APR 10	1.28 ON APR 10	0B ON MAR 1	550	1987
1988	0.2508 AT 20:16 CST ON APR 16	0.2228 ON APR 16	0B ON MAR 1	131	1988
				3 240	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

WILLOWS COULEE NEAR ASSINIBOIA - STATION NO. 05JD003

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1970	---	---	0.180	0.128	0.018	0.080	0	0	0	0	---	---	0.045	1970
1971	---	---	0.180	0.080	0	0	0	0	0	0	---	---	0.028	1971
1972	---	---	0.015	0	0	0	0	0	0	0	---	---	0.002	1972
1973	---	---	0.008	0.003	0	0.003	0	0	0	0	---	---	0.002	1973
1974	---	---	0.172	0.435	0.018	0	0	0.003	0	0.004	---	---	0.078	1974
1975	---	---	0.003	0.372	0.008	0.001	0	0	0	0	---	---	0.047	1975
MEAN	---	---	0.088	0.185	0.007	0.009	0	0.001	0	0.001	---	---	0.033	MEAN

LOCATION - LAT 49 38 31 N, LONG 105 50 50 W
DRAINAGE AREA, 47.8 km^2
REGULATED

WILLOWS COULEE NEAR ASSINIBOIA - STATION NO. 05JD003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1970	1.16 B AT 23:00 CST ON APR 4	0.8888 ON APR 5	0B ON MAR 1 *	842	1970
1971	1.33 B AT 23:23 CST ON MAR 30	0.5308 ON MAR 29	0B ON MAR 1	558	1971
1972	---	0.1588 ON MAR 14	0B ON MAR 1	40.8	1972
1973	0.1068 AT 18:11 CST ON MAR 2	0.086 ON JUN 4	0B ON MAR 8	37.7	1973
1974	3.78 B AT 19:46 CST ON APR 9 *	2.70 B ON APR 9 *	0B ON MAR 1	1 650	1974
1975	3.43 B AT 20:42 CST ON APR 21	2.36 B ON APR 21	0B ON MAR 1	888	1975
				703	MEAN

B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

WILSON CREEK NEAR KILOMETRE 21, CARON - STATION NO. 05JE002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1918	---	---	---	---	---	---	---	---	---	---	0.003	0	---	1918
MEAN	---	---	---	---	---	---	---	---	---	---	0.003	0	---	MEAN

LOCATION - LAT 50 28 10 N, LONG 105 48 04 W
DRAINAGE AREA, 37.3 km^2
NATURAL FLOW

REMARKS - FORMERLY PUBLISHED UNDER "SPRING CREEK"

WILSON CREEK NEAR KILOMETRE 21, CARON - STATION NO. 05JC002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1918	---	---	0 ON MAR 18 *	---	1918
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

WINNER BROOK NEAR WINNER - STATION NO. 05MA019

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1966	---	---	---	1.18	0.052	0	0	0	0	0	---	---	---	1966
1967	---	---	0	1.48	0.527	0.001	0	0	0	0	---	---	0.262	1967
1968	---	---	0.185	0.051	0	0	0	0	0	0	---	---	0.027	1968
1969	---	---	0	1.50	0.057	0	0	0	0	0	---	---	0.181	1969
1970	---	---	0	1.70	0.508	0.004	0	0	0	0	---	---	0.273	1970
1971	---	---	0	1.71	0.087	0	0	0	0	0	---	---	0.222	1971
1972	---	---	0	4.14	0.385	0.001	0	0	0	0	---	---	0.555	1972
1973	---	---	0.045	0.007	0	0	0	0	0	0	---	---	0.007	1973
1974	---	---	---	---	0.518	---	---	---	---	---	---	---	---	1974
1975	---	---	---	---	---	---	---	---	---	---	---	---	---	1975
MEAN	---	---	0.030	1.47	0.249	0.001	0	0	0	0	---	---	0.220	MEAN

LOCATION - LAT 52 03 32 N, LONG 104 23 46 W
DRAINAGE AREA, 163 km^2
NATURAL FLOW
DATA CONTRIBUTED BY - SASKATCHEWAN RESEARCH COUNCIL

WINNER BROOK NEAR WINNER - STATION NO. 05MA019

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1966	---	4.22 ON APR 6	---	---	1966
1967	---	8.82 ON APR 27	0E ON MAR 1 *	5 540	1967
1968	---	1.41 ON MAR 28	0E ON MAR 1	575	1968
1969	---	8.41 ON APR 11	0E ON MAR 1	4 050	1969
1970	---	8.54 ON APR 11	0B ON MAR 1	5 780	1970
1971	---	12.1 ON APR 11	0E ON MAR 1	4 880	1971
1972	---	10.6 ON APR 13	0E ON MAR 1	11 700	1972
1973	---	0.538 ON MAR 25	0E ON MAR 1	140	1973
1974	---	18.8 ON APR 19 *	---	---	1974
1975	---	13.3 ON APR 29	---	---	1975
	B - ICE CONDITIONS E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		4 840	MEAN

WIWA CREEK NEAR GRAVELBOURG - STATION NO. 05JC001

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1921	---	---	---	0.886	0.013	---	---	---	---	---	---	---	---	1921
1922	---	---	0.202	1.38	0.221	0.044	---	---	---	---	---	---	---	1922
1923	---	---	0	1.87	0.018	4.18	1.01	0.008	---	---	---	---	---	1923
1924	---	---	0.033	1.73	0	---	---	---	---	---	---	---	---	1924
1925	---	---	5.67	5.83	0.352	0.260	0.001	0	---	---	---	---	---	1925
1936	---	---	0.821	2.28	0.174	0.001	---	---	---	---	---	---	---	1936
1966	---	---	2.81	0.804	0.103	0	0	0	0	0	---	---	0.442	1966
1967	---	---	0	5.73	1.82	0.118	0	0	0	0	---	---	0.946	1967
1968	---	---	3.10	0.484	0.018	0	0	0	0	0	---	---	0.453	1968
1969	---	---	0	10.0	0.238	0	0.613	0.134	0	0.001	---	---	1.38	1969
1970	---	---	1.07	7.32	0.407	1.34	0.139	0	0	0	---	---	1.28	1970
1971	---	---	0.014	3.15	0.077	0	0	0	0	0	---	---	0.387	1971
1972	---	---	0.035	0.048	0	0	0	0.063	0	0	---	---	0.021	1972
1973	---	---	0.014	0	0	0	0	0	0	0	---	---	0.002	1973
1974	---	---	0	8.31	2.89	0.097	0	0	0	0	---	---	1.40	1974
MEAN	---	---	0.889	3.28	0.432	0.483	0.178	0.021	0	0	---	---	0.700	MEAN

LOCATION - LAT 50 02 14 N, LONG 105 32 58 W
DRAINAGE AREA, 1 580 km^2
REGULATED

WIWA CREEK NEAR GRAVELBOURG - STATION NO. 05JC001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1921	---	---	0 ON MAY 28 *	---	1921
1922	---	4.25 B ON APR 5	0B ON MAR 1	---	1922
1923	---	18.3 ON JUN 27	0B ON MAR 1	---	1923
1924	---	8.48 ON APR 9	0B ON MAR 1	---	1924
1925	---	45.3 B ON MAR 29 *	0B ON MAR 1	---	1925
1936	---	7.93 E ON APR 18	0B ON MAR 1	---	1936
1966	---	16.3 B ON MAR 16	0B ON MAR 1	9 350	1966
1967	24.4 AT 05:30 CST ON APR 12	23.3 ON APR 12	0B ON MAR 1	20 100	1967
1968	17.4 B AT 05:30 CST ON MAR 5	11.0 B ON MAR 5	0 ON MAY 18	9 590	1968
1969	---	38.6 B ON APR 7	0B ON MAR 1	28 200	1969
1970	48.8 AT 14:10 CST ON APR 8 *	41.3 ON APR 10	0 ON MAR 1	28 800	1970
1971	---	22.8 B ON APR 13	0B ON MAR 1	8 410	1971
1972	5.92 AT 17:02 CST ON AUG 16	1.88 ON AUG 16	0B ON MAR 1	435	1972
1973	---	0.1108 ON MAR 9	0B ON MAR 1	35.8	1973
1974	44.5 AT 03:42 CST ON APR 17	41.6 ON APR 18	0B ON MAR 1	29 500	1974
				14 800	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

WIWA CREEK NEAR ST. BOSWELLS - STATION NO. 05JC008

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1974	---	---	---	---	1.01	---	---	---	---	---	---	---	---	1974
1975	---	---	0.024	5.61	1.51	0.033	0	0	0	0	---	---	0.889	1975
1976	---	---	7.18	3.21	0.018	0.049	0.020	0	0	0	---	---	1.31	1976
1977	---	---	0	0	0	0	0	0	0	0	---	---	0	1977
1978	---	---	1.83	1.67	0.107	0.037	1.38	0.018	0.183	0.123	---	---	0.679	1978
1979	---	---	3.14	2.88	0.888	0.088	0.017	0	0	0	---	---	0.880	1979
1980	---	---	1.85	1.27	0	0	0	0	0	0	---	---	0.384	1980
1981	---	---	0.027	0	0	0	0.040	0.006	0	0	---	---	0.008	1981
1982	---	---	2.28	9.43	1.07	0.841	0.488	0.033	0.018	0	---	---	1.73	1982
1983	---	0.320	4.51	4.80	0.415	0.008	2.27	0.082	0	0	---	---	1.48	1983
1984	---	---	0.026	0.021	0	0	0	0	0	0	---	---	0.006	1984
1985	---	---	1.15	0.210	0	0	0	0	0	0	---	---	0.172	1985
1986	---	0.815	2.10	0.027	0.018	0.108	0.018	0	0	0	---	---	0.268	1986
1987	---	---	0.017	0.132	0	0	0	0.383	0.003	0	---	---	0.065	1987
1988	---	---	0	0	0	0.001	0	0	0	0	---	---	0	1988
MEAN	---	0.518	1.72	2.08	0.330	0.087	0.301	0.034	0.014	0.008	---	---	0.561	MEAN

LOCATION - LAT 50 04 05 N
LONG 105 45 18 W
DRAINAGE AREA, 1 360 km^2
REGULATED

WIWA CREEK NEAR ST. BOSWELLS - STATION NO. 05JC008

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1974	---	---	---	---	1974
1975	22.3 B AT 15:55 CST ON APR 22	22.1 B ON APR 22	0B ON MAR 1 *	19 100	1975
1976	36.1 B AT 00:09 CST ON MAR 21	26.3 B ON MAR 21	0B ON MAR 1	27 800	1976
1977	0 B AT 00:00 CST ON MAR 1	0 B ON MAR 1	0B ON MAR 1	0	1977
1978	13.8 AT 17:00 CST ON MAR 26	11.0 ON MAR 26	0B ON MAR 1	14 400	1978
1979	23.6 B AT 13:45 CST ON MAR 17	22.1 B ON MAR 18	0B ON MAR 1	18 200	1979
1980	10.4 AT 02:33 CST ON MAR 30	9.24 ON MAR 30	0B ON MAR 1	7 710	1980
1981	---	0.3008 ON MAR 1	0B ON MAR 21	108	1981
1982	48.8 AT 01:39 CST ON APR 14 *	42.7 ON APR 14 *	0B ON MAR 1	38 600	1982
1983	31.4 AT 07:23 CST ON MAR 31	30.2 ON APR 1	0 ON JUN 20	31 300	1983
1984	0.181 AT 20:30 CST ON MAR 25	0.148 ON MAR 25	0B ON MAR 1	121	1984
1985	5.72 AT 02:02 CST ON MAR 18	4.48 ON MAR 19	0B ON MAR 1	3 830	1985
1986	---	13.0 B ON MAR 1	0 ON APR 22	8 080	1986
1987	2.18 AT 18:05 CST ON AUG 17	1.84 ON AUG 17	0B ON MAR 1	1 370	1987
1988	0.204 AT 17:13 CST ON JUN 6	0.028 ON JUN 6	0B ON MAR 1	3.48	1988
				11 800	MEAN

B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

WOOD AND ANDERSON SOUTH DITCH NEAR COULEE - STATION NO. 11AB088

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1920	---	---	---	---	---	0.005	---	---	---	---	---	---	---	1920
MEAN	---	---	---	---	---	0.005	---	---	---	---	---	---	---	MEAN

LOCATION - LAT 49 34 24 N
LONG 105 50 57 W
REGULATED

WOOD AND ANDERSON WEST DITCH NEAR COULEE - STATION NO. 11AB024

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1915	---	---	0	0	0.004	0.003	0.002	0	0	0	---	---	0.001	1915
1916	---	---	0	0	0	0	0	0	0	0	---	---	0	1916
1917	---	---	0	0	0	0	0	0	0	0	---	---	0	1917
1918	---	---	0	0	0	0	0	0	0	0	---	---	0	1918
1920	---	---	0	0	0.007	0	0	0	0	0	---	---	0.001	1920
1921	---	---	0	0	0	0	0	0	0	0	---	---	0	1921
1922	---	---	0	0	0	0	0	0	0	0	---	---	0	1922
1923	---	---	0	0	0	0	0	0	0	0	---	---	0	1923
1924	---	---	0	0	0	0	0	0	0	0	---	---	0	1924
1925	---	---	0	0	0	0	0	0	0	0	---	---	0	1925
1926	---	---	0	0	0	0	0	0	0	0	---	---	0	1926
1927	---	---	0	0	0	0	0	0	0	0	---	---	0	1927
1928	---	---	0	0	0	0	0	0	0	0	---	---	0	1928
1929	---	---	0	0	0	0	0	0	0	0	---	---	0	1929
1930	---	---	0	0	0	0	0	0	0	0	---	---	0	1930
1931	---	---	0	0	0	0	0	0	0	0	---	---	0	1931
1932	---	---	0	0	0	0	0	0	0	0	---	---	0	1932
1933	---	---	0	0	0	0	0	0	0	0	---	---	0	1933
1934	---	---	0	0	0	0	0	0	0	0	---	---	0	1934
1935	---	---	0	0	0	0	0	0	0	0	---	---	0	1935
1936	---	---	0	0	0	0	0	0	0	0	---	---	0	1936
1938	---	---	0	0	0	0	0	0	0	0	---	---	0	1938
1939	---	---	0	0	0	0	0	0	0	0	---	---	0	1939
MEAN	---	---	0	0	0	0	0	0	0	0	---	---	0	MEAN

LOCATION - LAT 49 34 45 N
LONG 109 52 27 W REGULATED SINCE 1914

WOOD AND ANDERSON WEST DITCH NEAR COULEE - STATION NO. 11AB024

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1915	---	0.022 ON MAY 26	0 ON MAR 1 *	23.4	1915
1916	---	0 ON MAR 1	0 ON MAR 1	0	1916
1917	---	0 ON MAR 1	0 ON MAR 1	0	1917
1918	---	0.004 ON JUN 12	0 ON MAR 1	0.88	1918
1920	---	0.074 ON MAY 5 *	0 ON MAR 1	19.4	1920
1921	---	0 ON MAR 1	0 ON MAR 1	0	1921
1922	---	0 ON MAR 1	0 ON MAR 1	0	1922
1923	---	0 ON MAR 1	0 ON MAR 1	0	1923
1924	---	0 ON MAR 1	0 ON MAR 1	0	1924
1925	---	0 ON MAR 1	0 ON MAR 1	0	1925
1926	---	0 ON MAR 1	0 ON MAR 1	0	1926
1927	---	0 ON MAR 1	0 ON MAR 1	0	1927
1928	---	0 ON MAR 1	0 ON MAR 1	0	1928
1929	---	0 ON MAR 1	0 ON MAR 1	0	1929
1930	---	0 ON MAR 1	0 ON MAR 1	0	1930
1931	---	0 ON MAR 1	0 ON MAR 1	0	1931
1932	---	0 ON MAR 1	0 ON MAR 1	0	1932
1933	---	0 ON MAR 1	0 ON MAR 1	0	1933
1934	---	0 ON MAR 1	0 ON MAR 1	0	1934
1935	---	0 ON MAR 1	0 ON MAR 1	0	1935
1936	---	0 ON MAR 1	0 ON MAR 1	0	1936
1938	---	0 ON MAR 1	0 ON MAR 1	0	1938
1939	---	0 ON MAR 1	0 ON MAR 1	0	1939
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		1.93	MEAN

WOOD RIVER DIVERSION TO CHAPLIN LAKE - STATION NO. 05JC005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1975	---	---	0	0.851	1.65	0.245	0.188	0.119	0.140	0.122	---	---	0.375	1975
1976	---	---	1.33	0.711	0.105	0.088	0.138	0.051	0.025	0.031	---	---	0.310	1976
1977	---	---	0	0.118	0.183	0.117	0.007	0	0.028	0.026	---	---	0.057	1977
1978	---	---	0.288	2.93	1.49	0.587	0.089	0.184	0.205	0.118	---	---	0.718	1978
1979	---	---	0.218	2.98	2.02	0.203	0.072	0.137	0.228	0.583	---	---	0.805	1979
1980	---	---	0.082	2.88	0.788	0.223	0.268	0.307	0.213	0.224	---	---	0.817	1980
1981	---	---	1.02	0.706	0.288	0.080	0.108	0.228	0.068	0.117	---	---	0.323	1981
1982	---	---	0.016	1.62	1.70	1.33	0.713	0.312	0.307	0.447	---	---	0.788	1982
1983	---	---	1.20	1.91	0.221	0.133	0.210	0.213	0.101	0.081	---	---	0.805	1983
1984	---	---	0.480	0.708	0.288	0.018	0	0.002	0	0.006	---	---	0.187	1984
1985	---	---	0.080	1.00	0.388	0.016	0.004	0.003	0.002	0.004	---	---	0.185	1985
1986	---	0.003	2.31	1.84	0.885	0.134	0.082	0.075	0.085	0.213	---	---	0.880	1986
1987	---	0.112	0.242	1.10	0.485	0.048	0.018	0.107	0.084	0.011	---	---	0.258	1987
1988	---	---	0.243	0.185	0.047	0.008	0	0.012	0	0	---	---	0.059	1988
MEAN	---	0.058	0.836	1.36	0.751	0.328	0.139	0.123	0.111	0.141	---	---	0.420	MEAN

LOCATION - LAT 50 08 48 N
LONG 106 21 31 W REGULATED

WOOD RIVER DIVERSION TO CHAPLIN LAKE - STATION NO. 05JC005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1975	---	2.78 ON APR 30	0 B ON MAR 1 *	7 930	1975
1976	13.4 B AT 18:30 CST ON MAR 30 *	12.0 B ON MAR 30 *	0 B ON MAR 1	8 580	1976
1977	0.389 AT 23:28 CST ON JUN 8	0.3008 ON APR 12	0 B ON MAR 1	1 210	1977
1978	---	4.69 B ON APR 2	0 B ON MAR 1	15 200	1978
1979	---	5.60 B ON APR 20	0 B ON MAR 1	17 100	1979
1980	---	5.00 B ON APR 6	0 B ON MAR 1	13 100	1980
1981	---	1.48 ON MAR 18	0.008 ON JUL 12	8 830	1981
1982	3.83 B AT 11:03 CST ON APR 17	3.68 B ON APR 17	0.014B ON MAR 1	18 700	1982
1983	5.45 AT 10:16 CST ON APR 7	5.38 ON APR 7	0.018E ON OCT 29	10 700	1983
1984	1.34 AT 09:39 CST ON MAR 26	1.31 ON MAR 26	0 E ON JUL 1	3 970	1984
1985	1.84 AT 18:54 CST ON APR 18	1.68 ON APR 18	0.001 ON AUG 8	3 930	1985
1986	5.57 B AT 18:32 CST ON MAR 8	5.40 B ON MAR 8	0.021 ON JUN 28	14 800	1986
1987	1.82 AT 02:57 CST ON APR 26	1.80 ON APR 26	0.004 ON OCT 17	5 490	1987
1988	---	0.4288 ON MAR 22	0 ON JUL 6	1 260	1988
				8 900	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

WOOD RIVER NEAR GRAVELBOURG - STATION NO. 05JA001

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1917	---	---	---	---	---	---	---	---	---	---	0.020	0	---	1917
1918	0	0	7.32	3.78	0.588	0.140	0.001	0	0	0	0	0	1.48	1918
1919	0	0	0.020	5.73	0.337	0.024	0.024	0	0	0	0	0	0.783	1919
1920	0	0	4.48	3.68	0.481	0.088	0.025	0	0	0	0	0	1.11	1920
1921	0	0	2.94	1.70	0.547	0.355	0.224	0.084	0.031	0.206	0.007	0.001	0.781	1921
1922	0	0	4.98	14.0	2.88	0.304	0.208	0.038	0.002	0	0.003	0	2.76	1922
1923	0	0	1.88	7.83	0.884	8.15	10.1	0.870	0.087	0.083	0.057	---	3.83	1923
1924	---	---	0.058	2.88	0.926	1.11	0.893	0.108	0	0.151	---	---	0.730	1924
1925	---	---	28.3	18.4	1.41	1.15	0.343	0.026	0.001	---	---	---	---	1925
1938	---	---	2.82	5.82	0.528	0.040	---	---	---	---	---	---	---	1938
1940	---	---	0.048	11.4	---	---	---	---	---	---	---	---	---	1940
MEAN	0	0	5.38	7.60	0.897	1.28	1.48	0.153	0.015	0.080	0.012	0	1.80	MEAN

LOCATION - LAT 49 48 35 N LONG 106 32 40 W
DRAINAGE AREA, 5 810 km^2
NATURAL FLOW

REMARKS - RECORDS FROM JUL 16 1920 TO NOV 1922 COLLECTED APPROX. 10 km DOWNSTREAM IN SE06-11-04-W3

WOOD RIVER NEAR GRAVELBOURG - STATION NO. 05JA001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1917	---	---	---	---	1917
1918	---	32.0 ON MAR 25	0 B ON MAR 1 *	31 300	1918
1919	---	17.8 ON APR 8	0 B ON MAR 1	16 000	1919
1920	---	30.08 ON MAR 25	0 B ON MAR 1	23 500	1920
1921	---	13.88 ON MAR 25	0.001 ON SEP 7	16 100	1921
1922	---	36.88 ON APR 6	0 B ON MAR 1	86 300	1922
1923	---	31.1 ON JUN 24	0 B ON MAR 1	76 900	1923
1924	---	18.7 ON APR 12	0 E ON AUG 28	15 800	1924
1925	---	267 ON MAR 30 *	0 ON AUG 25	---	1925
1938	---	30.3 ON APR 17	0 B ON MAR 1	---	1938
1940	---	53.2 ON APR 18	0 B ON MAR 1	---	1940
				33 900	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

WOOD RIVER NEAR LAFLECHE - STATION NO. 05JA002

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1944	---	---	0	3.56	0.374	0.122	---	---	---	---	---	---	---	1944
1945	---	---	11.8	0.475	0.171	0.094	---	---	---	---	---	---	---	1945
1946	---	---	3.85	0.507	0.029	0.005	---	---	---	---	---	---	---	1946
1947	---	---	10.3	15.7	0.525	1.43	---	---	---	---	---	---	---	1947
1948	---	---	5.20	5.41	0.924	0.033	---	---	---	---	---	---	---	1948
1949	---	---	2.59	2.83	0.022	0.008	---	---	---	---	---	---	---	1949
1950	---	---	0.783	35.1	1.83	0.884	---	---	---	---	---	---	---	1950
1951	---	---	0.048	31.6	4.12	0.101	---	---	---	---	---	---	---	1951
1952	---	---	0	98.3	1.02	0.258	---	---	---	---	---	---	---	1952
1953	---	---	10.2	5.33	1.63	17.1	---	---	---	---	---	---	---	1953
1954	---	---	1.07	17.5	1.18	1.31	---	---	---	---	---	---	---	1954
1955	---	---	0.883	29.0	5.37	1.28	---	---	---	---	---	---	---	1955
1956	---	---	9.80	3.81	1.35	0.288	---	---	---	---	---	---	---	1956
1957	---	---	1.28	0.677	0.185	0.003	0	0	0	0	---	---	0.288	1957
1958	---	---	1.66	8.00	0.081	0	0	0	0	0	---	---	1.23	1958
1959	---	---	5.10	1.18	0.027	0.184	0.478	0.002	0	0	---	---	0.873	1959
1960	---	---	16.4	1.80	0.188	0.114	0.008	0	0	0	---	---	2.05	1960
1961	---	---	1.47	0.418	0.016	0.002	0	0	0	0	---	---	0.239	1961
1962	---	---	5.70	5.86	0.063	7.42	0.290	0.628	0.008	0	---	---	2.46	1962
1963	---	---	6.71	1.87	0.148	0.327	0.784	0.343	0.014	0	---	---	1.28	1963
1964	---	---	0.018	1.12	0.128	0.002	0	0	0	0	---	---	0.186	1964
1965	---	---	0	18.2	2.25	0.407	0.377	0.437	0.238	0.008	---	---	2.70	1965
1966	---	---	12.3	0.869	0.282	0.007	0	0	0	0	---	---	1.71	1966
1967	---	---	6.13	25.7	5.05	0.547	0.081	0	0	0	---	---	4.89	1967
1968	---	---	7.35	0.414	0.073	0.007	0.001	0	0	0	---	---	0.881	1968
1969	---	---	0.033	34.1	1.13	0.094	2.88	0.428	0.007	0.084	---	---	4.74	1969
1970	---	---	8.80	13.4	5.50	12.1	0.888	0.033	0.008	0	---	---	5.15	1970
1971	---	---	0.038	12.9	0.818	0.081	0.215	0.007	0	0	---	---	1.72	1971
1972	---	---	4.84	0.737	0.823	0.728	0.108	0.088	0.023	0.044	---	---	0.838	1972
1973	---	---	1.22	0.888	0.474	0.143	0.145	0.081	0.001	0.002	---	---	0.341	1973
1974	---	---	7.14	28.9	5.47	0.883	0.132	0.088	0.007	0.001	---	---	5.28	1974
1975	---	---	0.004	18.7	7.52	1.09	0.585	0.018	0.070	0.015	---	---	3.58	1975
1976	---	---	44.0	4.82	0.428	0.050	0.085	0.184	0.005	0	---	---	5.26	1976
1977	---	---	0.295	0.588	0.867	0.283	0.083	0.011	0	0	---	---	0.228	1977
1978	---	---	28.3	9.07	1.01	0.371	4.80	0.087	0.385	0.045	---	---	5.84	1978
1979	---	---	12.5	15.2	3.58	0.348	1.48	0.018	0	0	---	---	4.13	1979
1980	---	---	4.42	8.34	0.124	0.005	0.001	0	0	0	---	---	1.35	1980
1981	---	---	0.898	0.058	0.004	0.295	0.048	0.182	0.041	0.001	---	---	0.182	1981
1982	---	0.948	17.3	18.7	2.88	4.61	0.233	0.278	0.027	0.002	---	---	5.20	1982
1983	---	0.421	0.882	2.88	1.00	0.138	0.482	0.013	0	0	---	---	0.887	1983
1984	---	---	1.11	0.483	0.010	1.88	0.124	0	0	0	---	---	0.420	1984
1985	---	---	4.85	1.54	0.137	0.002	0	0	0	0	---	---	0.784	1985
1986	---	1.50	21.2	0.818	1.33	0.106	0.002	0	0	0	---	---	2.94	1986
1987	---	0.018	0.580	1.48	0.088	0.002	0.020	0.940	0.083	0.002	---	---	0.285	1987
1988	---	---	0.014	0.037	0.020	0.001	0	0	0	0	---	---	0.008	1988
MEAN	---	0.721	8.20	10.9	1.40	1.31	0.433	0.113	0.028	0.005	---	---	2.16	MEAN

LOCATION - LAT 49 40 01 N DRAINAGE AREA, 4 730 km²
LONG 105 41 33 W REGULATED

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1944	---	20.3 B ON APR 7	0B ON MAR 1 *	---	1944
1945	74.5 D AT 18:00 MST ON MAR 15	69.9 B ON MAR 16	0B ON MAR 1	---	1945
1946	---	8.61 B ON MAR 18	0B ON MAR 1	---	1946
1947	---	75.3 ON MAR 28	0B ON MAR 1	---	1947
1948	---	28.4 ON APR 18	0B ON MAR 1	---	1948
1949	17.2 B AT 11:15 MST ON MAR 30	15.5 B ON MAR 30	0B ON MAR 1	---	1949
1950	---	102 ON APR 16	0B ON MAR 1	---	1950
1951	---	185 B ON APR 6	0B ON MAR 1	---	1951
1952	300 AT 10:00 MST ON APR 8 *	292 ON APR 9 *	0 ON MAR 1	---	1952
1953	125 AT 18:35 MST ON JUN 5	121 ON JUN 5	---	---	1953
1954	---	93.7 B ON APR 9	---	---	1954
1955	118 B AT 17:00 MST ON APR 1	115 B ON APR 1	0B ON MAR 1	---	1955
1956	53.2 B AT 17:30 MST ON MAR 24	51.5 B ON MAR 24	0B ON MAR 1	---	1956
1957	4.42 B AT 18:00 MST ON MAR 28	4.19 B ON MAR 27	0B ON MAR 1	5 630	1957
1958	51.0 AT 20:53 MST ON APR 3	43.8 ON APR 3	0B ON MAR 1	25 800	1958
1959	13.4 AT 22:15 MST ON MAR 31	10.8 ON MAR 31	0B ON MAR 1	18 500	1959
1960	77.0 B AT 01:21 MST ON MAR 23	72.8 B ON MAR 23	0B ON MAR 1	43 500	1960
1961	7.48 B AT 14:27 CST ON MAR 18	6.12 B ON MAR 18	0B ON MAR 1	5 070	1961
1962	87.7 AT 00:11 CST ON JUN 14	77.6 ON JUN 14	0B ON MAR 1	52 000	1962
1963	---	53.0 B ON MAR 23	0 ON OCT 4	27 100	1963
1964	8.75 B AT 13:10 CST ON APR 4	7.31 B ON APR 4	0B ON MAR 1	3 310	1964
1965	83.1 B AT 14:14 CST ON APR 11	80.6 ON APR 12	0B ON MAR 1	57 100	1965
1966	40.8 B AT 23:28 CST ON MAR 17	38.6 B ON MAR 17	0B ON MAR 1	38 100	1966
1967	---	86.1 ON APR 11	0B ON MAR 1	104 000	1967
1968	---	17.5 B ON MAR 1	0E ON JUL 11	21 000	1968
1969	138 AT 23:00 CST ON APR 7	137 ON APR 7	0B ON MAR 1	100 000	1969
1970	88.8 AT 01:00 CST ON JUN 18	83.3 ON JUN 18	0 ON SEP 22	109 000	1970
1971	33.4 AT 01:05 CST ON APR 8	33.1 ON APR 8	0 ON AUG 21	35 400	1971
1972	38.2 B AT 12:29 CST ON MAR 17	30.0 B ON MAR 17	0B ON MAR 1	19 900	1972
1973	2.72 B AT 17:48 CST ON MAR 11	2.61 B ON MAR 11	0 ON SEP 13	7 210	1973
1974	102 B AT 23:12 CST ON APR 2	88.4 B ON APR 3	0 ON OCT 10	112 000	1974
1975	88.7 AT 08:31 CST ON APR 23	86.6 ON APR 23	0B ON MAR 1	75 800	1975
1976	---	185 B ON MAR 23	0 ON AUG 14	132 000	1976
1977	2.78 AT 08:09 CST ON MAY 26	2.55 ON MAY 26	0 ON SEP 7	4 820	1977
1978	100 AT 04:19 CST ON MAR 26	87.4 ON MAR 26	0B ON MAR 1	117 000	1978
1979	84.5 B AT 22:50 CST ON MAR 20	83.7 B ON MAR 21	0B ON MAR 1	87 400	1979
1980	32.3 AT 00:58 CST ON APR 2	28.6 ON APR 3	0B ON MAR 1	28 500	1980
1981	---	2.03 B ON MAR 1	0 ON MAY 25	3 430	1981
1982	61.8 B AT 21:00 CST ON MAR 30	46.6 B ON MAR 30	0 ON SEP 21	110 000	1982
1983	13.0 B AT 11:55 CST ON APR 2	12.3 B ON APR 2	0 ON AUG 25	14 800	1983
1984	18.3 AT 01:57 CST ON JUN 23	15.7 ON JUN 23	0 ON JUL 26	8 890	1984
1985	15.8 B AT 09:22 CST ON MAR 17	15.0 B ON MAR 17	0B ON MAR 1	16 800	1985
1986	119 B AT 20:20 CST ON MAR 1	101 B ON MAR 2	0 ON JUL 12	82 200	1986
1987	4.81 B AT 07:18 CST ON APR 8	4.65 B ON APR 8	0 ON JUN 7	8 340	1987
1988	0.102 AT 11:07 CST ON MAY 27	0.099 ON MAY 27	0B ON MAR 1	181	1988
				45 400	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

WOODPILE COULEE NEAR INTERNATIONAL BOUNDARY - STATION NO. 11AB105

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1927	---	---	0.555	2.27	1.02	0.023	0.268	0	0	0	---	---	0.518	1927
1928	---	---	0.091	1.07	0.004	0	0	0	0	0	---	---	0.143	1928
1929	---	---	0	0.008	0.020	0.042	0	0	0	0	---	---	0.008	1929
1930	---	---	1.28	0.382	0	0	0.026	0	0	0	---	---	0.208	1930
1931	0	0	0	0	0	0	0	0	0	0	---	---	0	1931
1932	---	---	0.072	0.002	0	0.020	0	0	0	0	---	---	0.012	1932
1933	---	---	0	0	0	0.031	0.008	0.006	0	0	---	---	0.005	1933
1934	---	---	0.282	0.033	0	0	0	0	0	0	---	---	0.041	1934
1935	---	---	0.892	0.486	0	0	0.331	0	0	0	---	---	0.189	1935
1936	0	0	0	1.47	0	0	0	0	0	0	---	---	0.180	1936
1937	---	---	0.110	0.028	0	0	0.001	0	0	0	---	---	0.021	1937
1938	---	---	0.674	0.288	0.100	0.080	0.001	0	0	0	---	---	0.142	1938
1939	---	---	1.87	0	0	0.001	0	0	0	0	---	---	0.248	1939
1940	---	---	0	2.38	0.022	0	0	0	0	0	---	---	0.298	1940
1941	---	---	2.23	0.002	0	0.003	0.034	0	0	0	---	---	0.287	1941
1942	---	---	0.407	0.100	0	0.248	0.004	0	0	0	---	---	0.095	1942
1943	---	---	3.30	0.580	0	0.002	0.001	0	0	0	---	---	0.488	1943
1944	---	---	0.031	0	0	0	0.143	1.01	0	0	---	---	0.150	1944
1945	---	---	0.793	0	0	0	0	0	0	0	---	---	0.100	1945
1946	---	---	0.826	0	0	0.017	0	0	0	0	---	---	0.081	1946
1947	---	---	1.03	0.180	0	0	0	0	0	0	---	---	0.152	1947
1948	0	0	0	0	0	0	0	0	0	0	0	0	0	1948
1949	0	0	0	0	0	0	0	0	0	0	---	---	0	1949
1950	---	---	0	1.50	0	0	0	0	0	0	---	---	0.183	1950
1951	---	---	0	0.870	0.038	0.001	0.003	0	0.001	0	---	---	0.075	1951
1952	---	---	0	4.88	0.008	0	0	0	0	0	---	---	0.872	1952
1953	---	---	0	0	0.001	0	0	0	0	0	---	---	0	1953
1954	---	---	0	0.358	0.003	0.002	0	0.001	0.007	0.011	---	---	0.047	1954
1955	---	---	0.256	2.26	0.081	0.003	0.783	0.004	0.003	0.003	---	---	0.423	1955
1956	---	---	0.033	0.042	0.040	0.005	0.002	0	0	0	---	---	0.015	1956
1957	---	---	0.021	0.576	0.003	0.004	0.001	0	0	0	---	---	0.074	1957
1958	---	---	0.990	0.474	0	0	0	0	0	0	---	---	0.183	1958
1959	---	---	0.824	0.043	0	0.002	0	0	0	0	---	---	0.110	1959
1960	---	---	1.07	0.002	0.118	0	0	0	0	0	---	---	0.151	1960
1961	---	---	0.198	0	0	0	0	0	0	0	---	---	0.028	1961
1962	---	---	0.328	0.007	0	0.001	0.001	0	0	0	---	---	0.043	1962
1963	---	---	0.004	0	0	0	0	0	0	0	---	---	0.001	1963
1964	---	---	0	0	0	0	0	0	0	0	---	---	0	1964
1965	---	---	0	0.811	0.003	0.837	0.023	0	0.001	0.002	---	---	0.181	1965
1966	---	---	0.442	0.028	0.003	0.002	0.001	0	0	0	---	---	0.080	1966
1967	---	---	0.276	1.07	0.483	0.002	0	0	0	0	---	---	0.227	1967
1968	---	---	0	0	0	0	0	0	0	0	---	---	0	1968
1969	---	---	0	1.54	0	0	0	0	0	0	---	---	0.169	1969
1970	---	---	0	0	0	0	0	0	0	0	---	---	0	1970
1971	---	---	0	0.028	0	0	0	0	0	0	---	---	0.005	1971
1972	---	---	0.432	0.001	0	0	0	0	0	0	---	---	0.088	1972
1973	---	---	0	0	0	0	0	0	0	0	---	---	0	1973
1974	---	---	0.362	0.277	0.580	0.001	0	0	0	0	---	---	0.168	1974
1975	---	---	0	0.618	0.275	0.490	0.104	0.198	0.002	0	---	---	0.209	1975
1976	---	---	1.05	0.008	0	0	0	0	0	0	---	---	0.133	1976
MEAN	0	0	0.469	0.497	0.088	0.032	0.035	0.024	0	0	0	0	0.131	MEAN

LOCATION - LAT 48 59 00 N DRAINAGE AREA, 172 km² INTERNATIONAL GAUGING STATION
LONG 109 31 00 W NATURAL FLOW

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1953

WOODPILE COULEE NEAR INTERNATIONAL BOUNDARY - STATION NO. 11AB105

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1927	12.0 AT 07:00 MST ON APR 4	11.2 ON MAY 23	0 ON MAR 1 *	10 900	1927
1928	8.87 AT 01:00 MST ON APR 2	5.92 ON APR 2	0B ON MAR 1	3 030	1928
1929	1.01 AT 18:00 MST ON JUN 2	0.629 ON JUN 3	0 ON MAR 1	183	1929
1930	7.93 AT 03:30 MST ON APR 2	4.59 ON APR 2	0B ON MAR 3	4 400	1930
1931	---	0.001 ON MAR 31	0 ON MAR 1	0.87	1931
1932	1.28 B AT 23:30 MST ON MAR 23	0.6808 ON MAR 24	0 ON MAR 1	291	1932
1933	1.73 AT 21:00 MST ON JUN 29	0.555 ON JUN 30	0 ON MAR 1	113	1933
1934	---	0.6986 ON MAR 11	0 ON APR 13	870	1934
1935	18.7 AT 23:00 MST ON APR 13	8.28 B ON MAR 20	0B ON MAR 1	4 000	1935
1936	34.8 AT 01:00 MST ON APR 13	18.0 ON APR 12	0 ON MAR 1	3 810	1936
1937	13.8 AT 01:00 MST ON APR 9	5.89 ON APR 8	0 ON MAR 1	1 830	1937
1938	16.6 AT 03:00 MST ON MAR 27	7.59 ON MAR 27	0 ON MAR 1	3 000	1938
1939	80.8 AT 22:00 MST ON MAR 22	25.8 ON MAR 22	0 ON MAR 1	5 270	1939
1940	63.3 AT 23:00 MST ON APR 18	23.7 ON APR 21	0 ON MAR 1	8 270	1940
1941	50.1 B AT 02:00 MST ON MAR 22	22.4 B ON MAR 22	0 ON MAR 1	8 080	1941
1942	5.78 AT 05:30 MST ON MAR 31	3.82 ON MAR 31	0 ON MAR 1	2 000	1942
1943	87.5 ON MAY 30 *	58.5 ON MAR 30 *	0 ON MAR 1	10 300	1943
1944	83.6 AT 07:00 MST ON AUG 25	27.9 ON AUG 25	0 ON MAR 1	3 180	1944
1945	8.30 A AT 21:00 MST ON MAR 19	6.00 A ON MAR 19	0 ON MAR 1	2 120	1945
1946	5.83 AT 11:20 MST ON MAR 11	5.27 ON MAR 11	0 ON MAR 1	1 710	1946
1947	16.5 B AT 23:20 MST ON MAR 29	11.1 B ON MAR 29	0 ON MAR 1	3 230	1947
1948	0 AT 00:00 MST ON MAR 1	0 ON MAR 1	0 ON MAR 1	0	1948
1949	0 AT 00:00 MST ON MAR 1	0 ON MAR 1	0 ON MAR 1	0	1949
1950	32.8 AT 04:00 MST ON APR 13	15.2 ON APR 13	0 ON MAR 1	3 880	1950
1951	10.4 AT 22:00 MST ON APR 5	3.83 ON APR 5	0 ON MAR 1	1 800	1951
1952	83.8 AT 03:00 MST ON APR 7	44.7 ON APR 7	0 ON MAR 1	12 100	1952
1953	0.033 AT 08:30 MST ON MAY 30	0.014 ON MAY 30	0B ON MAR 1	2.77	1953
1954	23.3 ON APR 5	7.08 ON APR 5	0 ON MAR 1	891	1954
1955	23.8 E ON APR 19	17.0 E ON APR 19	0B ON MAR 1	8 850	1955
1956	0.881 AT 11:00 MST ON MAY 11	0.478 ON MAY 11	0B ON MAR 1	321	1956
1957	7.38 AT 06:00 MST ON APR 4	4.58 ON APR 4	0 ON MAR 1	1 570	1957
1958	19.7 B AT 03:00 MST ON MAR 31	11.0 B ON MAR 31	0B ON MAR 1	3 880	1958
1959	---	8.27 B ON MAR 27	0B ON MAR 1	2 330	1959
1960	12.7 AT 22:45 MST ON MAR 23	7.98 ON MAR 23	0 ON MAR 1	3 190	1960
1961	3.30	3.83 E ON MAR 14	0 ON MAR 1	826	1961
1962	4.60 E ON MAR 27	3.40 E ON MAR 27	0 ON MAR 1	905	1962
1963	---	0.040 ON MAR 1	0E ON MAR 13	11.1	1963
1964	0 AT 00:00 MST ON MAR 1	0 ON MAR 1	0 ON MAR 1	0	1964
1965	8.87 E ON JUN 27	5.89 ON APR 19	0 ON MAR 1	3 830	1965
1966	4.84 AT 14:30 MST ON MAR 16	1.83 ON MAR 20	0 ON MAR 1	1 270	1966
1967	10.1 AT 08:00 MST ON APR 28	7.38 ON APR 28	0 ON MAR 1	4 810	1967
1968	---	0 ON MAR 1	0 ON MAR 1	0	1968
1969	28.2 AT 03:00 MST ON APR 5	14.7 ON APR 5	0 ON MAR 1	4 000	1969
1970	---	0 ON MAR 1	0 ON MAR 1	0	1970
1971	0.481 AT 05:30 CST ON APR 5	0.278 ON APR 5	0 ON MAR 1	93.6	1971
1972	8.30 AT 03:15 MST ON MAR 17	5.23 ON MAR 17	0 ON MAR 1	1 190	1972
1973	0 AT 00:00 CST ON MAR 1	0 ON MAR 1	0 ON MAR 1	0	1973
1974	14.7 AT 14:00 CST ON MAY 21	9.09 ON MAY 21	0B ON MAR 1	3 880	1974
1975	18.3 AT 08:30 CST ON JUN 20	10.6 ON JUN 20	0 ON MAR 1	4 430	1975
1976	32.8 AT 03:00 CST ON MAR 19	13.8 ON MAR 19	0B ON MAR 1	2 830	1976
MEAN				2 790	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

WYLIE DITCH NEAR OXARAT - STATION NO. 11AC018

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1916	---	---	---	---	---	---	---	---	---	---	---	---	---	1916
1917	---	---	0	0	0	0	0	0	0	0	---	---	0	1917
1918	---	---	0	0.042	0.028	0.022	0.008	0.013	0.002	0	---	---	0.014	1918
1920	---	---	0	0	0	0.051	0.031	0.018	0	0	---	---	0.013	1920
1922	---	---	0	0	0.088	0.047	0.018	0	0	0	---	---	0.018	1922
1923	---	---	0	0	0.022	0.028	0	0	0	0	---	---	0.008 *	1923
1924	---	---	0	0	0.038	0.031	0.011	0	0	0	---	---	0.010	1924
1925	---	---	0	0	0.028	0.044	0	0	0	0	---	---	0.009	1925
1926	---	---	0	0.080	0.068	0.057	0.039	0	0	0	---	---	0.028	1926
1927	---	---	0	0	0	0	0	0	0	0	---	---	0	1927
1928	---	---	0	0	0.117	0.038	0	0	0	0	---	---	0.020	1928
1930	---	---	0	0	0.103	0.119	0	0	0	0	---	---	0.028	1930
MEAN	---	---	0	0.008	0.048	0.040	0.010	0.003	0	0	---	---	0.013	MEAN

LOCATION - LAT 49 29 10 N
LONG 109 35 40 W
REGULATED

WYLIE DITCH NEAR OXARAT - STATION NO. 11AC018

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1916	---	---	0 ON JUN 27 *	---	1916
1917	---	0 ON MAR 1	0 ON MAR 1	0	1917
1918	---	0.142E ON APR 3	0 ON MAR 1	301	1918
1920	---	0.069 ON JUN 2	0 ON MAR 1	287	1920
1922	---	0.326 ON MAY 17	0 ON MAR 1	398	1922
1923	---	0.068 ON MAY 15	0 ON MAR 1	131	1923
1924	---	0.382 ON MAY 12	0 ON MAR 1	214	1924
1925	---	0.215 ON MAY 16	0 ON MAR 1	188	1925
1926	---	0.804 ON APR 22	0 ON MAR 1	557	1926
1927	---	0 ON MAR 1	0 ON MAR 1	0	1927
1928	---	0.589 ON MAY 12 *	0 ON MAR 1	414	1928
1930	---	0.381 ON MAY 16	0 ON MAR 1	585	1930
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		278	MEAN

E - ESTIMATED

WYNYARD CREEK NEAR THE MOUTH - STATION NO. 05MA015

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1988	---	---	0.840	0.577	0.387	0	0	0	0	0	---	---	0.188	1988
1988	---	---	0.273	0.026	0.001	0	0	0	0	0	---	---	0.036	1988
1989	---	---	0	0.450	0	0	0	0	0	0	---	---	0.085	1989
1970	---	---	0.051	0.378	0.080	0	0.023	0	0	0	---	---	0.057	1970
1971	---	---	0	0.884	0.002	0	0	0	0	0	---	---	0.088	1971
1972	---	---	0.287	0.330	0.008	0	0	0	0	0	---	---	0.078	1972
1973	---	---	0.018	0.008	0.007	0.050	0.089	0	0	0	---	---	0.022	1973
1974	---	---	---	---	0.388	---	---	---	---	---	---	---	---	1974
1975	---	---	---	---	0.238	0.008	---	---	---	---	---	---	---	1975
1976	---	---	---	0.891	---	---	---	---	---	---	---	---	---	1976
MEAN	---	---	0.181	0.385	0.119	0.007	0.017	0	0	0	---	---	0.075	MEAN

LOCATION - LAT 51 47 05 N, LONG 104 13 22 W DRAINAGE AREA, 62.2 km^2, REGULATED DATA CONTRIBUTED BY - SASKATCHEWAN RESEARCH COUNCIL

WYNYARD CREEK NEAR THE MOUTH - STATION NO. 05MA015

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1988	---	5.07 ON APR 1	0E ON MAR 1 *	4 190	1988
1988	---	1.27 ON MAR 8	0E ON MAR 1	800	1988
1989	---	3.85 ON APR 10	0 ON MAR 1	1 170	1989
1970	---	1.78 ON APR 10	0 ON MAR 1	1 420	1970
1971	---	3.85 ON APR 10	0E ON MAR 1	1 470	1971
1972	---	1.33 ON APR 13	0E ON MAR 1	1 840	1972
1973	---	0.897 ON JUL 3	0E ON MAR 1	487	1973
1974	---	3.85 ON APR 10	---	---	1974
1975	---	7.70 ON APR 26 *	0 ON JUN 25	---	1975
1976	---	---	---	---	1976
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		1 580	MEAN

E - ESTIMATED

WYNYARD CREEK NEAR WYNYARD - STATION NO. 05MA017

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1970	---	---	0.008	0.268	0.073	0.008	0.020	0	0	0	---	---	0.044	1970
1971	---	---	0	0.308	0.001	0	0	0	0	0	---	---	0.042	1971
1972	---	---	0.077	0.222	0.001	0	0	0	0	0	---	---	0.037	1972
1973	---	---	0.020	0.006	0.001	0.027	0.052	0	0	0	---	---	0.012	1973
1974	---	---	---	---	0.282	---	---	---	---	---	---	---	---	1974
1975	---	---	---	---	0.241	0.019	---	---	---	---	---	---	---	1975
MEAN	---	---	0.028	0.208	0.113	0.011	0.018	0	0	0	---	---	0.034	MEAN

LOCATION - LAT 51 43 17 N, LONG 104 11 23 W DRAINAGE AREA, 28.4 km^2, REGULATED DATA CONTRIBUTED BY - SASKATCHEWAN RESEARCH COUNCIL

WYNYARD CREEK NEAR WYNYARD - STATION NO. 05MA017

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1970	---	1.18 B ON APR 7	0E ON MAR 1 *	836	1970
1971	---	2.30 ON APR 10	0E ON MAR 1	889	1971
1972	---	0.872 ON APR 13	0E ON MAR 1	785	1972
1973	---	0.589 ON JUL 2	0E ON MAR 1	560	1973
1974	---	2.92 ON APR 19	0 ON JUN 29	---	1974
1975	---	5.76 ON APR 28 *	0 ON JUL 11	---	1975
				725	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

YELLOW GRASS DITCH NEAR YELLOW GRASS - STATION NO. 05NB011

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1957	---	---	0.033	0.118	0.021	0	0	0	0	0	---	---	0.021	1957
1958	---	---	0.565	0.730	0.018	0	0	0	0	0	---	---	0.162	1958
1959	---	---	0	0	0	0.010	0.015	0	0	0	---	---	0.003	1959
1960	---	---	0.001	5.26	0.302	0.002	0.002	0	0	0	---	---	0.883	1960
1961	---	---	0.001	0	0	0	0	0	0	0	---	---	0	1961
1962	---	---	0	0.652	0.004	0.003	0	0	0	0	---	---	0.081	1962
1963	---	---	0	0	0	0.091	0.088	0.018	0.003	0	---	---	0.023	1963
1964	---	---	0	0.388	0.030	0	0	0	0	0	---	---	0.051	1964
1965	---	---	0	0.462	1.11	1.21	0.022	0	0.002	0	---	---	0.361	1965
1966	---	---	1.04	0.413	0.018	0	0	0	0	0	---	---	0.184	1966
1967	---	---	0	2.02	0.404	0	0	0	0	0	---	---	0.388	1967
1968	---	---	0.138	0.027	0.003	0	0	0	0	0	---	---	0.021	1968
1969	---	---	0	11.4	3.42	0.081	0.020	0	0	0	---	---	1.84	1969
1970	---	---	0	2.48	4.34	0.718	0.331	0.150	0.002	0	---	---	1.00	1970
1971	---	---	0	7.78	1.31	0.144	0.532	0.002	0	0	---	---	1.20	1971
1972	---	---	0.887	1.87	0.048	0.009	0	0	0	0	---	---	0.337	1972
1973	---	---	0	0	0	0	0	0	0	0	---	---	0	1973
1974	---	---	0	12.0	10.8	0.287	0.042	0.008	0.030	0	---	---	2.88	1974
1975	---	---	0	11.3	23.4	0.875	0.047	0.022	0.003	0	---	---	4.44	1975
1976	---	---	0.015	32.8	4.78	7.20	1.74	0.597	0.097	0.001	---	---	5.62	1976
1977	---	---	0	0.155	0	0	0	0	0	0	---	---	0.019	1977
1978	---	---	0.128	1.13	0.039	0.075	0.837	0	0.064	0.007	---	---	0.267	1978
1979	---	---	0	8.82	10.0	0.432	0.382	0	0	0	---	---	2.41	1979
1980	---	---	0.001	0.880	0.003	0	0	0	0	0	---	---	0.122	1980
1981	---	---	0.020	0.004	0	0.008	0	0	0	0	---	---	0.004	1981
1982	---	---	0	11.2	5.87	0.180	0.178	0.138	0	0.002	---	---	2.14	1982
1983	---	---	0	7.14	3.05	1.38	0.840	0.181	0	0	---	---	1.63	1983
1984	---	---	0.188	0.107	0	0.030	0.008	1.04	0.008	0.011	---	---	0.172	1984
1985	---	---	2.48	1.47	0.008	0	0	0	0	0	---	---	0.492	1985
1986	---	0.001	1.45	0.048	1.88	0.004	0.008	0	0	0	---	---	0.428	1986
1987	---	---	0.070	0.344	0	0	0	0	0	0	---	---	0.039	1987
1988	---	---	0	0	0	0	0	0	0	0	---	---	0	1988
MEAN	---	0.001	0.197	3.77	2.30	0.381	0.148	0.068	0.008	0.001	---	---	0.841	MEAN

LOCATION - LAT 49 47 11 N DRAINAGE AREA, 1 900 km^2
LONG 104 02 18 W REGULATED

YELLOW GRASS DITCH NEAR YELLOW GRASS - STATION NO. 05NB011

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1957	---	0.4258 ON MAR 30	05 ON MAR 1 *	450	1957
1958	---	1.42 B ON APR 1	05 ON MAR 1	2 170	1958
1959	---	0.085 ON JUN 27	05 ON MAR 1	88.4	1959
1960	---	8.32 ON APR 13	05 ON MAR 1	14 400	1960
1961	---	0.005 ON MAR 22	0 ON MAR 1	2.07	1961
1962	---	2.83 ON APR 12	05 ON MAR 1	1 710	1962
1963	---	1.04 ON JUN 7	0 ON MAR 1	478	1963
1964	---	0.8018 ON APR 5	05 ON MAR 1	1 090	1964
1965	---	5.15 ON MAY 28	05 ON MAR 1	7 430	1965
1966	---	3.88 ON MAR 30	05 ON MAR 1	3 800	1966
1967	---	6.51 ON APR 15	05 ON MAR 1	6 320	1967
1968	---	1.04 ON MAR 23	05 ON MAR 1	443	1968
1969	---	21.3 ON APR 16	05 ON MAR 1	39 000	1969
1970	---	8.81 ON MAY 3	05 ON MAR 1	21 100	1970
1971	---	12.0 ON APR 13	05 ON MAR 1	25 400	1971
1972	5.47 AT 20:00 CST ON APR 5	5.30 ON APR 6	05 ON MAR 1	7 140	1972
1973	---	0.005 ON JUN 4	0 ON MAR 1	0.52	1973
1974	28.8 AT 20:30 CST ON APR 25	28.8 ON APR 25	05 ON MAR 1	80 800	1974
1975	43.9 AT 21:02 CST ON MAY 3	43.3 ON MAY 3	05 ON MAR 1	93 800	1975
1976	52.4 AT 08:16 CST ON APR 14 *	51.5 ON APR 14 *	05 ON MAR 1	123 000	1976
1977	1.06 AT 05:14 CST ON APR 9	0.844 ON APR 10	05 ON MAR 1	403	1977
1978	4.05 AT 22:38 CST ON JUL 8	3.85 ON JUL 8	05 ON MAR 1	5 440	1978
1979	28.8 AT 10:29 CST ON APR 28	28.3 ON APR 28	05 ON MAR 1	51 000	1979
1980	4.33 A AT 13:57 CST ON APR 3	4.17 A ON APR 3	05 ON MAR 1	2 570	1980
1981	0.116 AT 08:11 CST ON MAR 19	0.088 ON MAR 19	0 ON MAR 1	78.3	1981
1982	29.8 AT 18:30 CST ON APR 24	28.7 ON APR 24	05 ON MAR 1	45 300	1982
1983	17.7 AT 15:03 CST ON APR 26	17.5 ON APR 27	05 ON MAR 1	32 400	1983
1984	4.53 AT 10:50 CST ON AUG 5	4.48 ON AUG 5	0 ON MAR 1	3 850	1984
1985	8.80 B AT 02:28 CST ON MAR 22	8.22 B ON MAR 22	05 ON MAR 1	10 400	1985
1986	8.04 AT 02:46 CST ON MAY 11	7.77 ON MAY 11	0 ON MAY 2	9 020	1986
1987	1.57 B AT 21:46 CST ON MAR 31	1.40 B ON APR 1	05 ON MAR 1	821	1987
1988	---	0 ON MAR 1	0 ON MAR 1	0	1988
				17 600	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

YORKTON CREEK NEAR EBENEZER - STATION NO. 05NB001

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1941	---	---	0	0.834	0.028	0	0	0	0	0	---	---	0.118	1941
1942	---	---	---	3.09	0.288	0.027	0.004	0.249	0	0	---	---	---	1942
1943	---	---	0	3.01	0.338	0.178	0.052	0.022	0	0	---	---	0.442	1943
1944	---	---	0	0.708	0.018	0.031	0.001	0.008	0.009	---	---	---	---	1944
1945	---	---	0.882	0.470	0.028	0.009	0.004	0	---	---	---	---	---	1945
1946	---	---	---	0.212	0.013	0	0.010	---	---	---	---	---	---	1946
1947	---	---	---	---	1.14	0.180	0.085	0	0.003	0.008	---	---	---	1947
1948	---	---	---	---	5.24	0.084	0.209	0.024	0	---	---	---	---	1948
1949	---	---	---	2.27	0.031	0.002	0.008	0.008	0	0	---	---	---	1949
1950	---	---	---	---	0.128	0.012	0.033	0.007	0	0	---	---	---	1950
1951	---	---	---	---	0.851	0.042	0.043	0.028	0.028	0.038	---	---	---	1951
1952	---	---	---	1.31	0.013	0.018	0	0	0	0	---	---	---	1952
1953	---	---	---	3.02	0.143	1.31	2.89	0.788	0.388	0.321	---	---	---	1953
1954	---	---	---	2.18	2.10	8.98	8.13	3.66	2.81	3.73	2.11	---	---	1954
1955	---	---	---	12.6	18.1	7.14	3.84	1.20	0.158	0.177	---	---	---	1955
1956	---	---	---	10.1	20.1	7.02	2.21	0.882	0.881	0.287	---	---	---	1956
1957	---	---	0	5.57	2.88	0.410	0.195	0.136	0.110	0.008	---	---	1.28	1957
1958	---	---	0.078	0.128	0.008	0.001	0	0	0	0	---	---	0.027	1958
1959	---	---	0.758	0.323	0.018	0.022	0.038	0	0.017	0.049	---	---	0.184	1959
1960	---	---	0	8.18	0.144	0.078	0.008	0	0	0	---	---	1.03	1960
1961	---	---	0.001	0.030	0.005	0	0	0	0	0	---	---	0.004	1961
1962	---	---	0	1.88	0.173	0.087	0	0	0	0.005	---	---	0.227	1962
1963	---	---	0.180	0.141	0.052	0.041	0.048	0.023	0.032	0.018	---	---	0.068	1963
1964	---	---	0	1.01	0.053	0	0	0.025	0.005	0.003	---	---	0.138	1964
1965	---	---	0	3.14	0.358	0.112	0.058	0.068	0.083	0.050	---	---	0.488	1965
1966	---	---	0	5.05	0.841	0.088	0.068	0.032	0.024	0.034	---	---	0.723	1966
1967	---	---	0	0.788	0.822	0.027	0.008	0.004	0.002	0.031	---	---	0.184	1967
1968	---	---	0.180	0.888	0.088	0.073	0.087	0.041	0.047	0.034	---	---	0.138	1968
1969	---	---	0	2.88	0.128	0.031	0.071	0.070	0.051	0.072	---	---	0.407	1969
1970	---	---	0	3.18	0.662	0.048	0.235	0.017	0.027	0.088	---	---	0.394	1970
1971	---	---	0.003	3.82	0.187	0.363	0.248	0.017	0.002	0.031	---	---	0.538	1971
1972	---	---	0.188	0.68	0.328	0.074	0.038	0.017	0.018	0.023	---	---	0.888	1972
1973	---	---	0.188	0.884	0.028	0.238	0.188	0.448	0.178	0.088	---	---	0.174	1973
1974	---	---	0.042	8.31	3.00	0.482	0.381	0.384	0.272	0.188	---	---	1.81	1974
1975	---	---	0	5.85	5.38	2.88	1.42	0.888	0.838	0.488	---	---	2.18	1975
1976	---	---	0.114	11.2	3.38	2.82	1.38	0.412	0.182	0.072	---	---	2.43	1976
1977	---	---	0.030	0.843	0.314	0.134	0.040	0.028	0.123	0.078	---	---	0.174	1977
1978	---	---	0.042	1.20	0.188	0.081	0.015	0.083	0.088	0.085	---	---	0.218	1978
1979	---	---	0.008	5.21	2.23	0.108	0.582	0.372	0.288	0.208	---	---	1.11	1979
1980	---	---	0.045	5.81	0.328	0.183	0.138	0.183	0.078	0.043	---	---	0.804	1980
1981	---	---	0.088	0.078	0.108	0.237	0.413	0.432	0.181	0.224	---	---	0.218	1981
1982	---	---	0.082	1.00	0.124	0.074	0.381	0.112	0.180	0.139	---	---	0.288	1982
1983	---	---	0.015	3.40	1.20	1.88	2.26	0.124	0.078	0.128	---	---	1.10	1983
1984	---	---	0.887	0.427	0.323	0.178	0.031	0.048	0.082	0.131	---	---	0.240	1984
1985	---	---	0.011	7.14	2.10	0.717	0.088	0.047	0.088	0.048	---	---	1.28	1985
1986	---	---	1.38	2.27	0.487	0.158	0.108	0.081	0.048	0.040	---	---	0.583	1986
1987	---	---	0.840	0.882	0.082	0.152	0.228	0.182	0.088	0.108	---	---	0.288	1987
1988	---	0.087	0.188	1.21	0.800	0.034	0.033	0.117	0.032	0.038	---	---	0.280	1988
MEAN	---	0.087	0.181	3.11	1.50	0.748	0.508	0.212	0.148	0.138	2.11	---	0.890	MEAN

LOCATION - LAT 51 22 50 N, LONG 102 30 11 W
DRAINAGE AREA, 2 320 km^2
REGULATED

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1941	---	5.72 ON APR 11	0 ON MAR 1 *	2 800	1941
1942	---	10.9 B ON APR 4	0 ON MAY 22	---	1942
1943	---	11.1 ON APR 10	0 B ON MAR 1	9 380	1943
1944	---	4.28 B ON APR 7	0 B ON MAR 1	---	1944
1945	---	---	0 ON MAR 1	---	1945
1946	---	---	0 ON APR 6	---	1946
1947	---	---	0 E ON JUL 31	---	1947
1948	---	47.6 B ON APR 26	0 ON SEP 3	---	1948
1949	---	---	0 ON JUL 4	---	1949
1950	---	33.7 ON APR 16	0 ON AUG 20	---	1950
1951	---	---	---	---	1951
1952	---	---	0 ON MAY 5	---	1952
1953	---	14.7 ON APR 6	---	---	1953
1954	---	10.6 ON JUN 17	---	---	1954
1955	---	20.2 ON MAY 10	---	---	1955
1956	---	28.7 ON APR 25	0 B ON APR 1	---	1956
1957	---	23.4 B ON APR 18	0 B ON MAR 1	28 400	1957
1958	---	0.7888 ON MAR 28	0 B ON MAR 1	572	1958
1959	---	8.23 B ON MAR 26	0 B ON MAR 1	3 280	1959
1960	---	54.4 ON APR 12 *	0 B ON MAR 1	21 800	1960
1961	---	0.088 ON APR 5	0 E ON MAR 1	93.5	1961
1962	---	10.7 B ON APR 20	0 B ON MAR 1	4 810	1962
1963	---	1.13 B ON MAR 26	0 B ON MAR 1	1 440	1963
1964	---	8.87 B ON APR 13	0 B ON MAR 1	2 880	1964
1965	---	27.7 B ON APR 12	0 B ON MAR 1	8 730	1965
1966	---	18.2 B ON APR 7	0 B ON MAR 1	15 300	1966
1967	---	8.38 B ON APR 28	0 B ON MAR 1	3 890	1967
1968	---	1.56 B ON APR 10	0 B ON MAR 1	2 880	1968
1969	---	14.9 B ON APR 12	0 B ON MAR 1	6 620	1969
1970	---	8.33 B ON APR 10	0 B ON MAR 1	8 330	1970
1971	---	29.7 B ON APR 10	0 B ON MAR 1	11 400	1971
1972	28.0 B AT 04:34 CST ON APR 12	24.6 B ON APR 12	0 B ON MAR 1	16 100	1972
1973	4.70 AT 20:00 CST ON AUG 28	4.15 ON AUG 28	0 B ON MAR 1	3 880	1973
1974	53.6 B AT 18:08 CST ON APR 20 *	48.1 B ON APR 20	0.0428 ON MAR 1	34 100	1974
1975	27.3 B AT 16:32 CST ON APR 21	23.7 B ON APR 21	0 B ON MAR 1	45 800	1975
1976	48.6 B AT 13:18 CST ON APR 10	43.9 B ON APR 10	0.040 ON OCT 7	51 400	1976
1977	3.788 AT 15:26 CST ON APR 8	3.14 B ON APR 8	0.0228 ON MAR 1	3 880	1977
1978	4.588 AT 10:00 CST ON APR 8	3.85 B ON APR 8	0 B ON MAR 1	4 870	1978
1979	28.6 B AT 05:37 CST ON APR 24	23.6 B ON APR 23	0 B ON MAR 1	22 800	1979
1980	28.0 B AT 08:40 CST ON APR 6	23.2 B ON APR 6	0.018 ON OCT 8	17 000	1980
1981	4.03 AT 14:30 CST ON AUG 1	3.76 ON AUG 1	0.0348 ON MAR 7	4 630	1981
1982	5.988 AT 12:17 CST ON APR 15	5.72 B ON APR 15	0.0108 ON MAR 1	5 430	1982
1983	38.1 AT 19:30 CST ON APR 22	28.5 B ON APR 22	0 B ON MAR 15	23 300	1983
1984	---	8.88 B ON MAR 27	0 ON SEP 3	5 080	1984
1985	27.3 AT 07:34 CST ON APR 12	26.0 ON APR 12	0.0028 ON MAR 1	26 600	1985
1986	15.7 B AT 07:47 CST ON APR 1	14.3 B ON APR 1	0.0098 ON MAR 1	11 800	1986
1987	4.048 AT 08:04 CST ON MAR 24	3.85 B ON MAR 24	0.0108 ON MAR 1	5 080	1987
1988	7.678 AT 15:58 CST ON APR 4	6.86 B ON APR 4	0 ON JUN 24	5 920	1988
				12 800	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

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ANTELOPE CREEK NEAR CABRI	05HC005	3
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